Библиотека СОК

CIB UNIGAS®

SERIES N

HEAD X

N880X
N925X
N1060X

HEAD V

N740V
N800V
N950V

HEAD A

N870A
N1060A
N1300A

HEAD P

N870P
N1060P
N1300P

HEAD Y

N870Y
N1060Y
N1300Y

GB
M029148CA
Rev. 0.0
08-2025

LET'S LIGHT UP THE FUTURE.

CIB Unigas was founded in 1972 as a small company by Mr. Claudio Pancolini. The remarkable creative and design skills of its technical staff enabled the company to penetrate the market quickly and effectively. Over the past 50 years, with the goal of promoting eco-sustainable fuels and applications, **CIB Unigas has become one of the leading companies in the design, production and sale of burners for civil and industrial applications.**



Factors such as the progressive shift in demand abroad (over 85% of current turnover) and the willingness to develop a solid distribution network, have allowed the company to **open numerous branches, particularly in the United Kingdom, China, and the United States, in addition to more than 60 official dealers worldwide.** This strengthened and widespread sales network, combined with the complete range of burners offered and the constant participation in international conferences and trade fairs, has made CIB Unigas a leader in its sector.



In 1994, CIB Unigas obtained ISO 9001 quality certification and product certification (CE marking), issued by the most authoritative European certification body (TÜV). This certification is the most comprehensive available in this industrial sector, covering design, production, marketing, and after-sales services. As a result, the company currently meets all national and international requirements to sell, market, and install its products worldwide.

Today, the company is managed by the founder's heirs Mr. Filippo Pancolini and Mr. Riccardo Pancolini, who ensure the continuity not only of the business but also of CIB Unigas' vision: developing technologies with the aim of protect our world and our future.**With over 200 employees, the company produces all its products at its Italian plant facility in Campodarsego (Padua), where its main activities of design, assembly and innovation take place.**

Thanks to the strong flexibility of its production and organizational structure, CIB Unigas is able to meet any demand quickly and according to the specific requirements that arise from the market. This means, not only the ability to produce in series, but above all, the creative strength to satisfy market demands—values that are at the core of the shared efforts at CIB Unigas.

SERIES N

LOW NOx

Low emissions (Class 3 - EN676)
Possibility of working with innovative fuels with low environmental impact, such as hydrogen
Wide modulation range

HEAD X

N880X / N925X / N1060X	GAS	7
N880X / N925X / N1060X	GAS / LIGHT OIL	11

ULTRA LOW NOx

Low emissions (Class 4 - EN676)
Wide modulation range

HEAD V

N740V / N800V / N950V	GAS	15

High flexibility burners

Extensive flexibility
Adjustment flexibility
Ability to work with a variety of fuels
Many types of civil and industrial applications
Special applications and furnaces

HEAD A

N870A / N1060A ...1.65	GAS	19
N1060A / N1300A	GAS	23
N870A / N1060A ...1.65	GAS / LIGHT OIL	27
N1060A / N1300A	GAS / LIGHT OIL	31

Industrial applications

Industrial applications
Also for Duablok versions
Highly reliable and robust for industrial use
For all special applications: from the use of the crudest oil to dense fuels, for clean and efficient combustion
Also suitable for recovered fuels (fuels derived from waste) such as synthetic gas, exhaust gas, cooling gas, waste oils, etc.

HEAD P

N870P / N1060P / N1300P	LIGHT OIL	34
N870P / N1060P / N1300P	HEAVY OIL	36
N870P / N1060P / N1300P	GAS / HEAVY OIL	40

HEAD Y

N870Y / N1060Y / N1300Y	OLIO COMBUSTIBILE	44
N870Y / N1060Y / N1300Y	GAS / HEAVY OIL	46

DESIGNATION M-. PR. SR. xx. A. 1. 50. EA. xxx.

FUEL
M - NATURAL GAS
L - L.P.G.
B - BIOGAS
C - TOWN GAS
G - LIGHT OIL
A - BIO DIESEL
K - KEROSENE
N - HEAVY OIL UP TO 50 cSt at 50°C (7°E - 50°C)
D - HEAVY OIL UP TO 400 cSt at 50°C (50°E - 50°C)

*** VARIOUS FUEL CONFIGURATIONS AVAILABLE IN THE DUAL-FUEL VERSION**

OPERATION
PR - PROGRESSIVE
MD - FULLY MODULATING

BLAST TUBE
S - STANDARD
M - STANDARD DUAL LENGTH BLAST TUBE
L - LONG

SP - Standard blast tube + ABS polymer (silenced) air intake
SR - Standard blast tube + ABS polymer (silenced) air intake
LP - Extended blast tube + aluminum air intake
LR - Extended blast tube + ABS polymer (silenced) air intake

DESTINATION COUNTRY
GB - UNITED KINGDOM
... AVAILABLE FOR OTHER COUNTRIES UPON REQUES

BURNER MANUFACTURE
A STANDARD
Y SPECIAL

G CONTROL PANEL AND JUNCTION BOX
E JUNCTION BOX

EQUIPMENT
0 2 GAS VALVES
1 2 GAS VALVES + LEAKAGE CONTROL
7 2 GAS VALVES + MAXIMUM GAS PRESSURE SWITCH
8 2 GAS VALVES + LEAKAGE CONTROL AND MAXIMUM GAS PRESSURE SWITCH

GAS CONNECTION
50 DN50
65 DN65
80 DN80
100 DN100
125 DN125

ELECTRONIC VERSION
EA Burners complete with electronic cam
EB Burners complete with electronic cam and inverter
EC Dual fuel burners complete with electronic cam
ED Dual fuel burners complete with electronic cam and inverter
ES Burners complete with electronic cam, without O_2 control, without inverter
EO Burners complete with electronic cam and O_2 control, without inverter
EI Burners complete with electronic cam and inverter, without O_2 control
EK Burners complete with electronic cam with O_2 control and with inverter
EF Burners complete with electronic cam and temperature-compensated flue gas recirculation FGR without O_2 monitoring, without inverter
EG Burners complete with electronic cam, inverter and temperature-compensated flue gas recirculation FGR without O_2 monitoring
EP Burners complete with electronic cam and temperature-compensated flue gas recirculation FGR witht O_2 monitoring, without inverter
ER Burners complete with electronic cam, inverter and temperature-compensated flue gas recirculation FGR with O_2 monitoring l

FLUE GAS RECIRCULATION
FGR Flue gas recirculation

SOME FEATURES ARE NOT INCLUDED IN THIS CATALOGUE

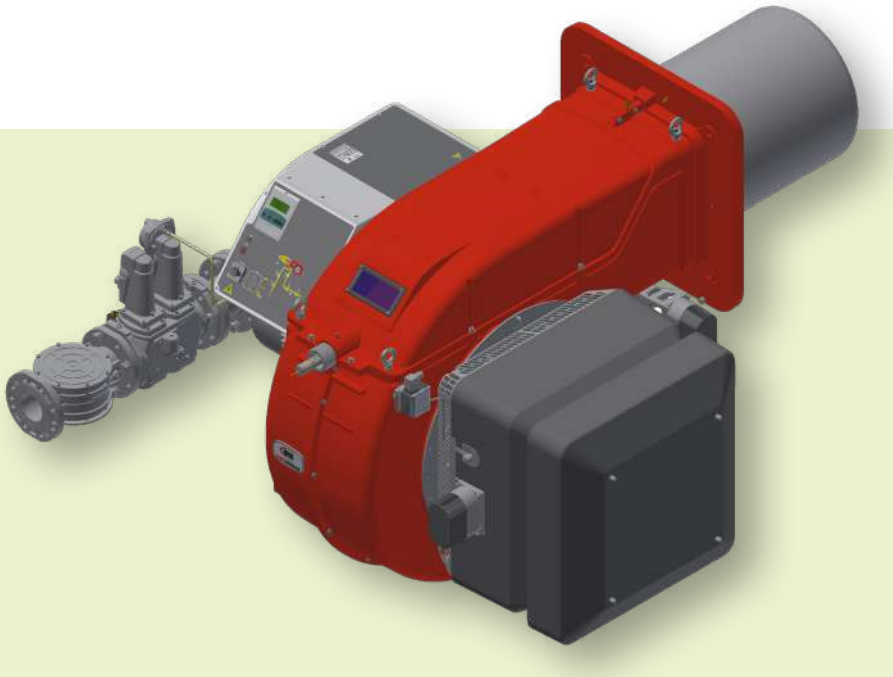
FOR CONFIGURATIONS OF BURNERS IN THE LAMTEC VERSION WITH O_2+CO OXYGEN CONTROL, PLEASE CONTACT OUR SALES DEPARTMENT.

HEAD X

N880X
N925X
N1060X

Low NOx

- Low emissions (Class 3 - EN676)
- Possibility of working with innovative combustibles with low environmental impact such as
- Ample modulation range

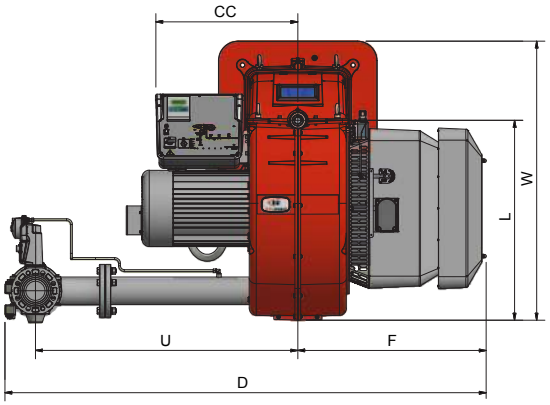


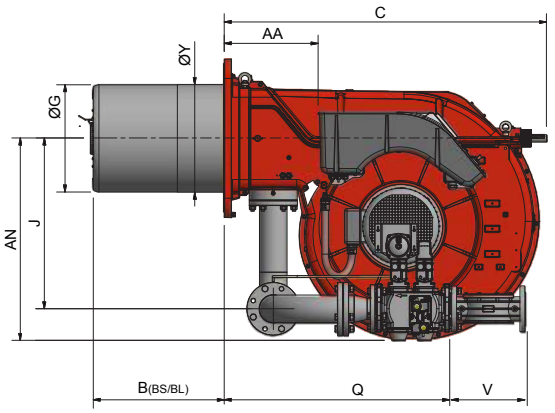
GAS

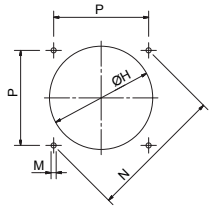
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
N880X	M-.xx.xR.IT.A.1.xxx	1.500	8.800	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	DN80 - DN100 - DN125	< 82,2
N925X	M-.xx.xR.IT.A.1.xxx	1.300	9.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	DN80 - DN100 - DN125	< 85,6
N1060X	M-.xx.xR.IT.A.1.xxx	1.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	DN80 - DN100 - DN125	< 85,6

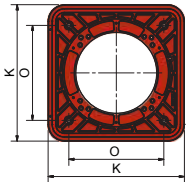
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



FLANGIA BRUCIATORE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N880X	2300	1720	1410	630
N925X	2300	1720	1410	670
N1060X	2300	1720	1410	720

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN100 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																						
		AA	AN	B BS	B BL	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N880X	M-.xx.xR.IT.A.x.1.80	390	841	445	545	1345	591	2002	784	446	496	709	660	831	M16	651	460	460	944	1092	310	1161	448
N880X	M-.xx.xR.IT.A.x.1.100	390	854	445	545	1345	591	2018	784	446	496	709	660	831	M16	651	460	460	848	1092	350	1161	448
N880X	M-.xx.xR.IT.A.x.1.125	390	884	445	545	1345	591	1972	784	446	496	709	660	831	M16	651	460	460	958	1192	478	1161	448
N925X	M-.xx.xR.IT.A.x.1.80	390	841	445	545	1345	591	2002	784	446	496	709	660	831	M16	651	460	460	944	1092	310	1161	448
N925X	M-.xx.xR.IT.A.x.1.100	390	854	445	545	1345	591	2018	784	446	496	709	660	831	M16	651	460	460	848	1092	350	1161	448
N925X	M-.xx.xR.IT.A.x.1.125	390	884	445	545	1345	591	1972	784	446	496	709	660	831	M16	651	460	460	958	1192	478	1161	448
N1060X	M-.xx.xR.IT.A.x.1.80	390	841	445	545	1345	591	2002	784	489	539	709	660	831	M16	651	460	460	944	1092	310	1161	399
N1060X	M-.xx.xR.IT.A.x.1.100	390	854	445	545	1345	591	2018	784	489	539	709	660	831	M16	651	460	460	848	1092	350	1161	399
N1060X	M-.xx.xR.IT.A.x.1.125	390	884	445	545	1345	591	1972	784	489	539	709	660	831	M16	651	460	460	958	1192	478	1161	399

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M-.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M-.PR.SR.IT.A.1.125.EA	DN125	PR (*)
M-.MD.SR.IT.A.1.80.ES	DN80	MD
M-.MD.SR.IT.A.1.100.ES	DN100	MD
M-.MD.SR.IT.A.1.125.ES	DN125	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

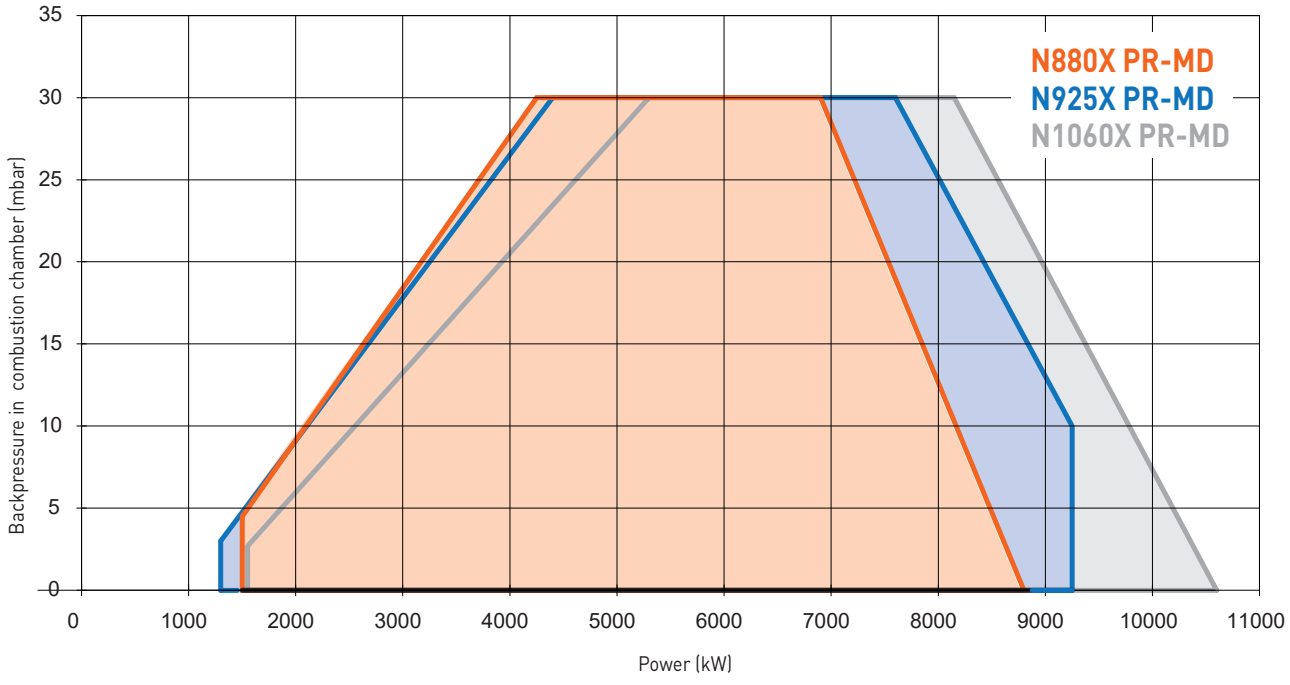
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 3 (<80 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, H_2

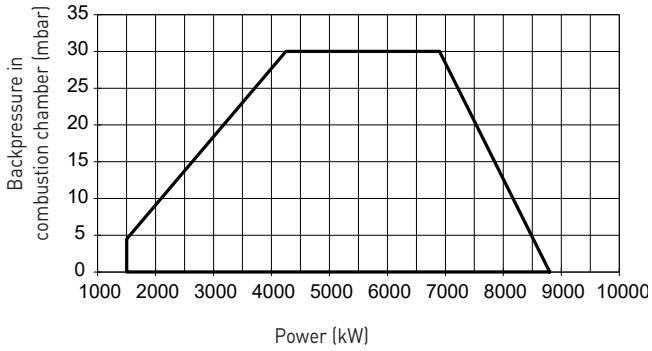
PERFORMANCE CURVES

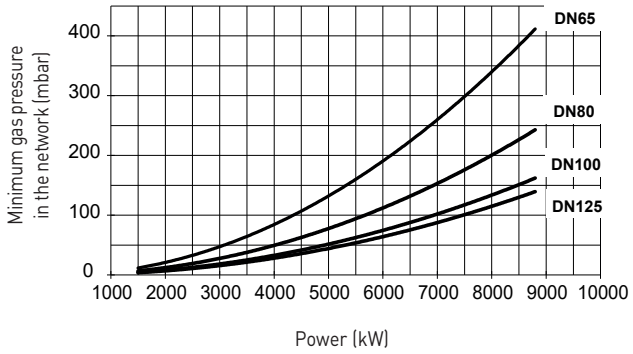


PERFORMANCE CURVES

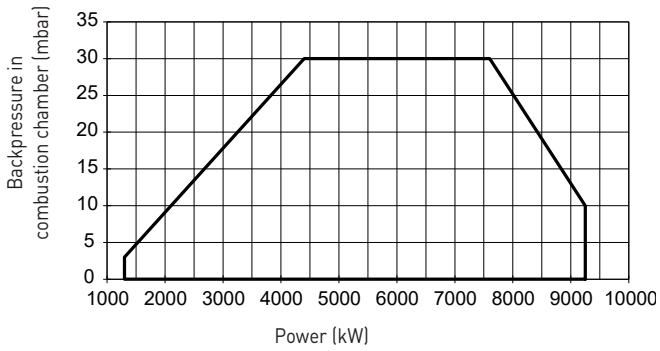
PRESSURE IN THE NETWORK

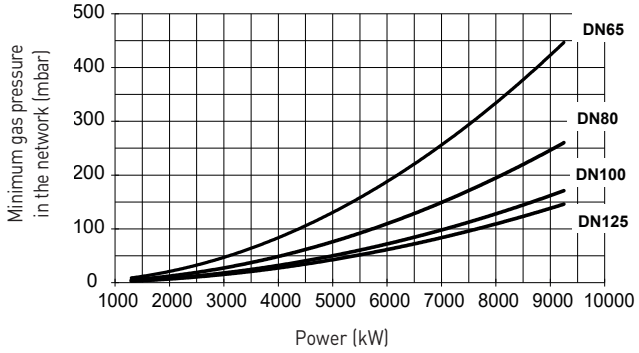
N880X PR-MD



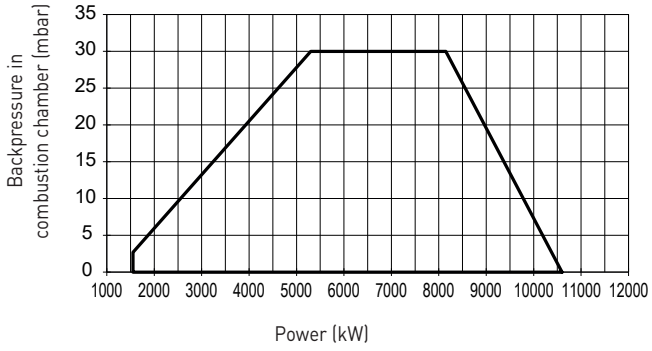


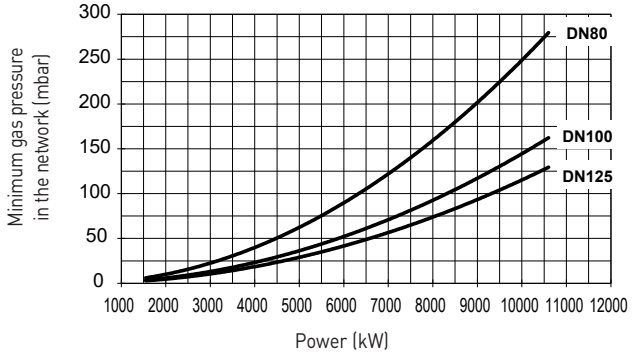
N925X PR-MD





N1060X PR-MD





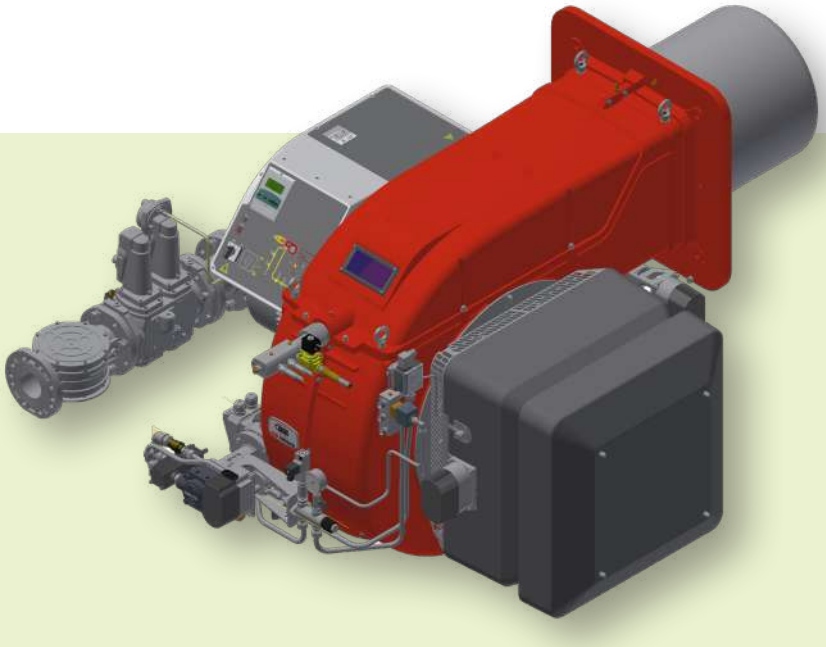
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD X

N880X
N925X
N1060X

Low NOx

- Low emissions (Class 3 - EN676)
- Possibility of working with innovative combustibles with low environmental impact such as
- Ample modulation range

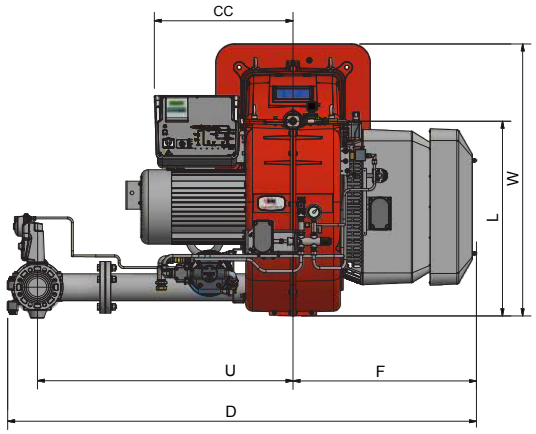


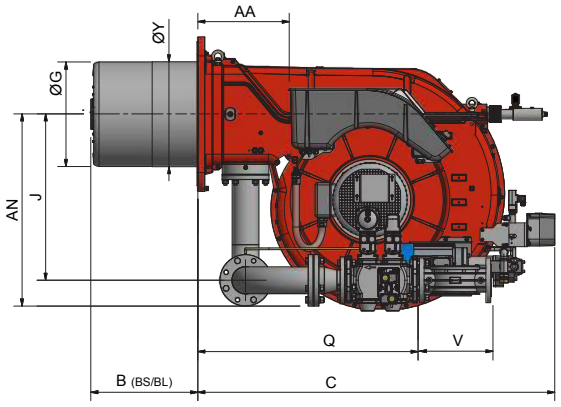
GAS / HEAVY OIL

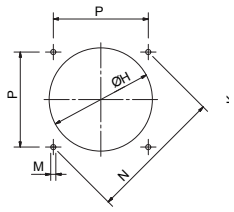
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Gas connections	Level of noise emissions dBA
N880X	MG.xx.xR.IT.A.1.xxx	1.500	8.800	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	3,0	DN80 - DN100 - DN125	< 82,2
N925X	MG.xx.xR.IT.A.1.xxx	1.300	9.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	3,0	DN80 - DN100 - DN125	< 85,6
N1060X	MG.xx.xR.IT.A.1.xxx	1.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	4,0	DN80 - DN100 - DN125	< 85,6

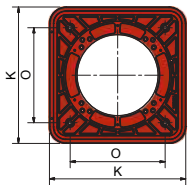
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
K590X	2300	1720	1410	700
K660X	2300	1720	1410	700
K750X	2300	1720	1410	700

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																					
		AA	AN	B BS	B BL	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N880X	MG.xx.xR.IT.A.1.80	384	841	445	545	1525	684	2002	784	446	496	709	660	831	M16	651	460	460	944	1092	310	1161	448
N880X	MG.xx.xR.IT.A.1.100	384	854	445	545	1525	684	2018	784	446	496	709	660	831	M16	651	460	460	848	1092	350	1161	448
N880X	MG.xx.xR.IT.A.1.125	384	884	445	545	1525	684	1972	784	446	496	709	660	831	M16	651	460	460	958	1192	478	1161	448
N925X	MG.xx.xR.IT.A.1.80	384	841	445	545	1525	684	2002	784	446	496	709	660	831	M16	651	460	460	944	1092	310	1161	448
N925X	MG.xx.xR.IT.A.1.100	384	854	445	545	1525	684	2018	784	446	496	709	660	831	M16	651	460	460	848	1092	350	1161	448
N925X	MG.xx.xR.IT.A.1.125	384	884	445	545	1525	684	1972	784	446	496	709	660	831	M16	651	460	460	958	1192	478	1161	448
N1060X	MG.xx.xR.IT.A.1.80	384	841	445	545	1525	684	2002	784	489	539	709	660	831	M16	651	460	460	944	1092	310	1161	399
N1060X	MG.xx.xR.IT.A.1.100	384	854	445	545	1525	684	2018	784	489	539	709	660	831	M16	651	460	460	848	1092	350	1161	399
N1060X	MG.xx.xR.IT.A.1.125	384	884	445	545	1525	684	1972	784	489	539	709	660	831	M16	651	460	460	958	1192	478	1161	399

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.80.EC	DN80	PR (*)
MG.PR.SR.IT.A.1.100.EC	DN100	PR (*)
MG.PR.SR.IT.A.1.125.EC	DN125	PR (*)
MG.MD.SR.IT.A.1.80.ES	DN80	MD
MG.MD.SR.IT.A.1.100.ES	DN100	MD
MG.MD.SR.IT.A.1.125.ES	DN125	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

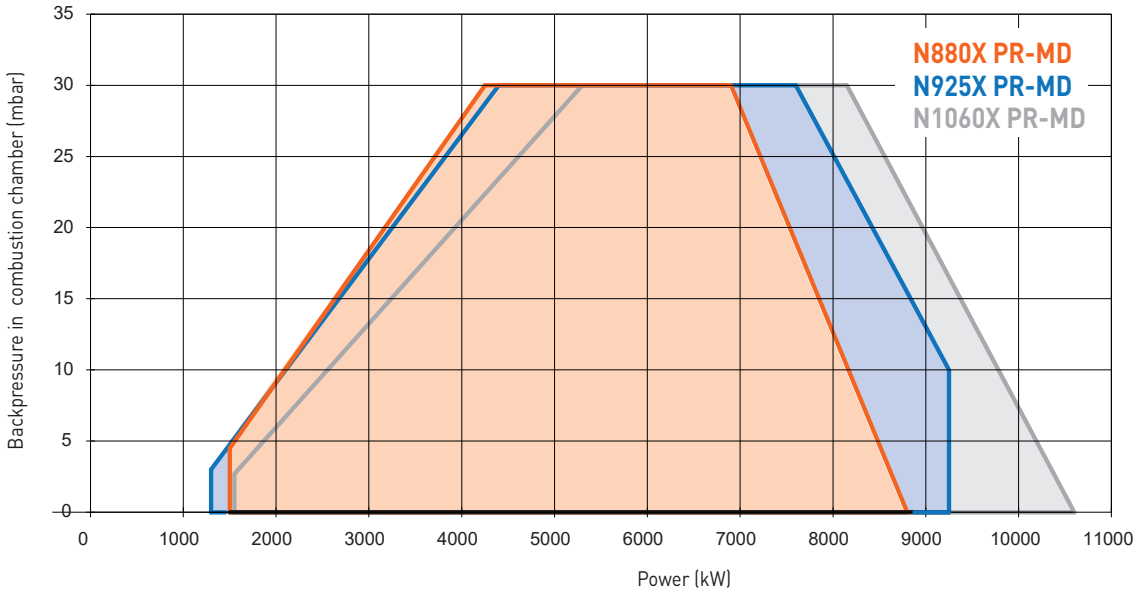
NOx emission level:
- Class 3 (<80 mg/kWh) in gas operation according to EN676
- Class 2 (< 185 mg/kWh) in light oil operation according to EN267

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

Burners also compatible with bio-oli

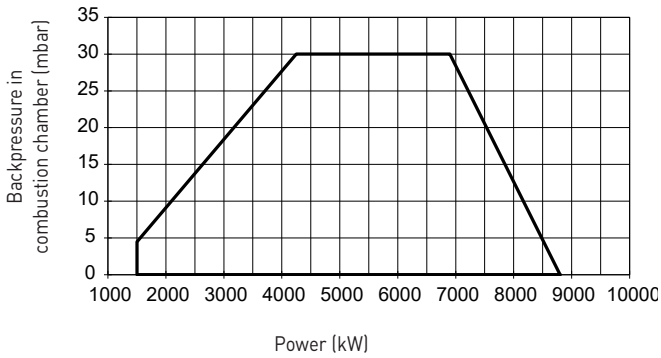
PERFORMANCE CURVES

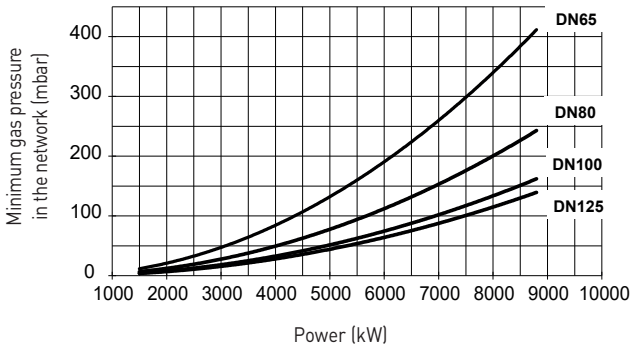


PERFORMANCE CURVES

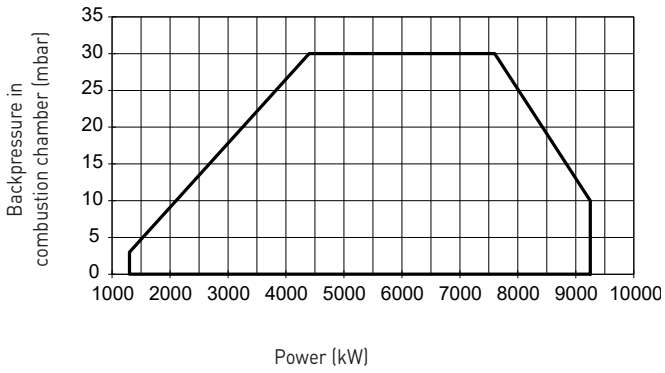
PRESSURE IN THE NETWORK

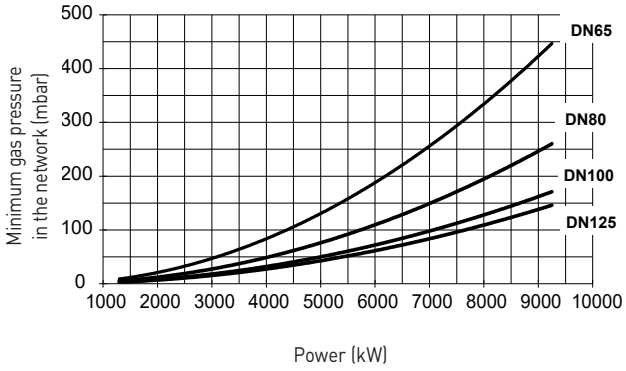
N880X PR-MD



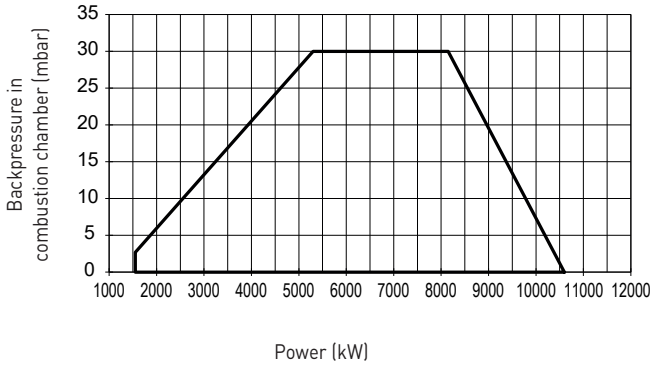


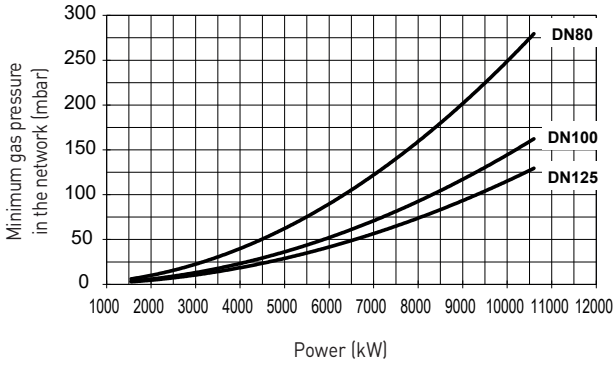
N925X PR-MD





N1060X PR-MD





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

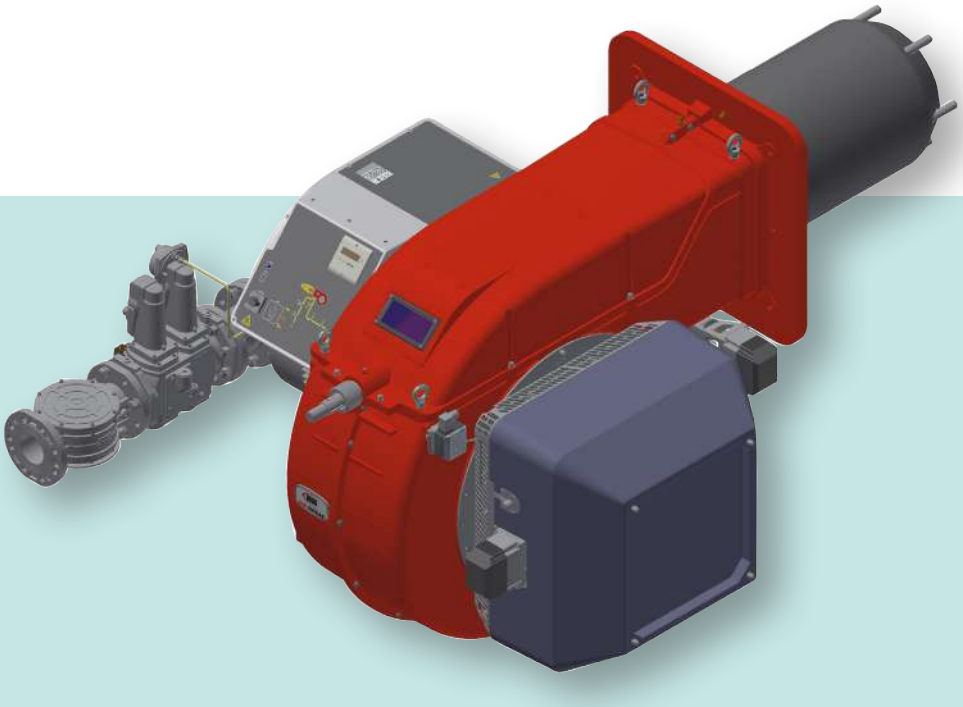
HEAD N

N740V
N880V
N950V

Ultra Low NOx

Low emissions (Class 4 - EN676)

Wide modulation range



GAS

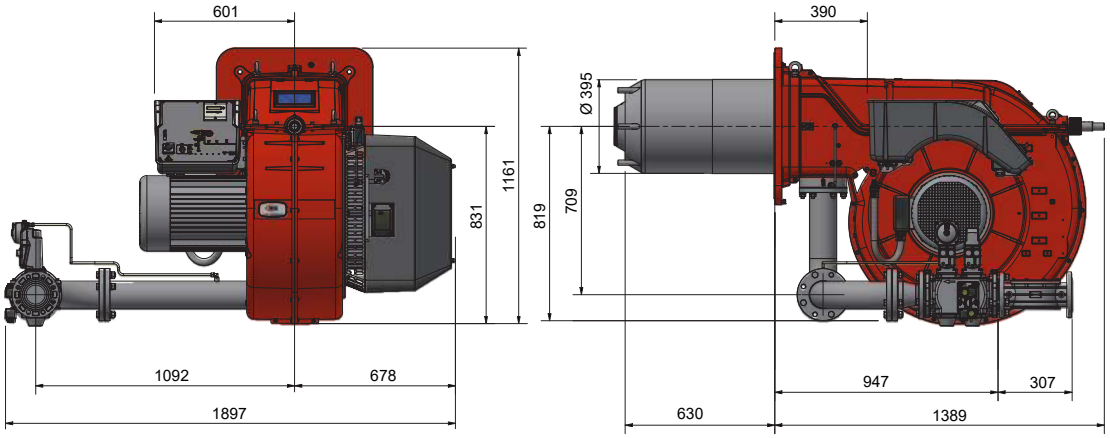
TECHNICAL SPECIFICATIONS

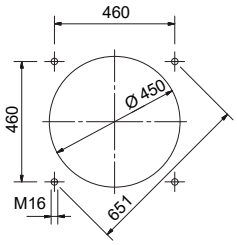
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
N740V	M-.xx.S.IT.A.1.xxx	700	7.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	DN65 - DN80 - DN100	82,2
N880V	M-.xx.S.IT.A.1.65	985	8.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	DN65 - DN80 - DN100	85,6
N950V	M-.xx.S.IT.A.1.65	1.700	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	DN65 - DN80 - DN100	85,6

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

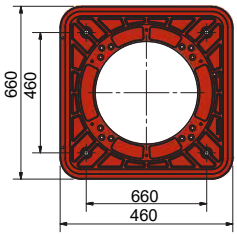
DIMENSIONS* (mm)

N740V M-.PR.SR.IT.A.1.80.EA





BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N870A	2300	1720	1410	550
N1060A ...1.65	2300	1720	1410	600

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M-.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M-.PR.SR.IT.A.1.125.EA	DN125	PR (*)
M-.MD.SR.IT.A.1.80.ES	DN80	MD
M-.MD.SR.IT.A.1.100.ES	DN100	MD
M-.MD.SR.IT.A.1.125.ES	DN125	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

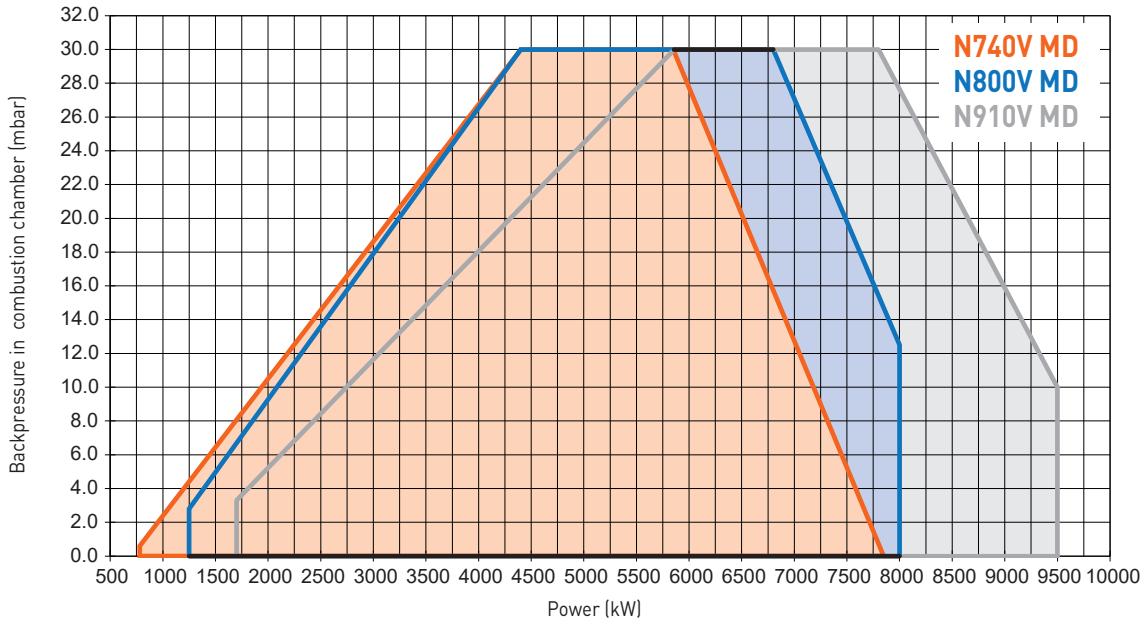
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 4 (<60 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, H_2

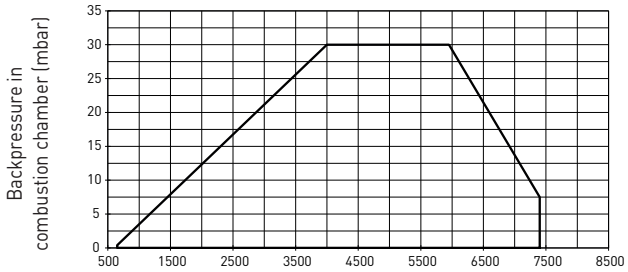
PERFORMANCE CURVES

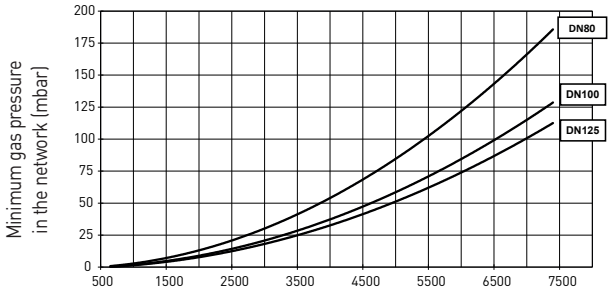


PERFORMANCE CURVES

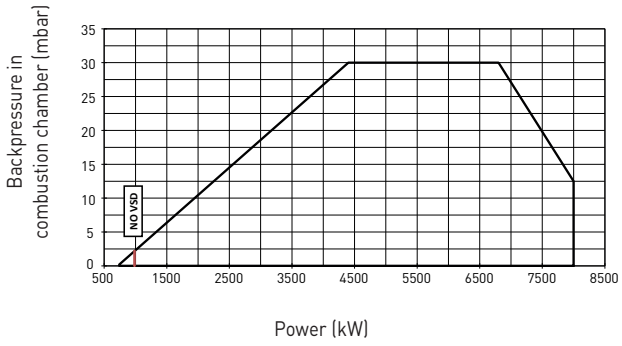
PRESSURE IN THE NETWORK

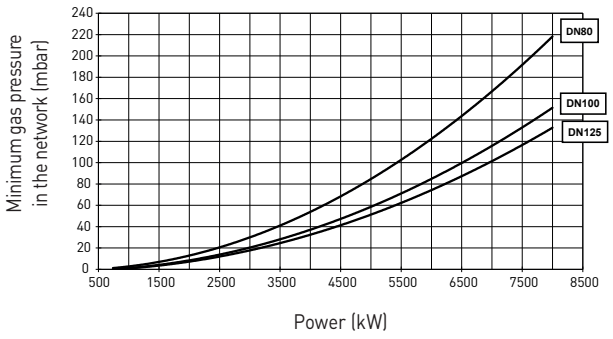
N740V



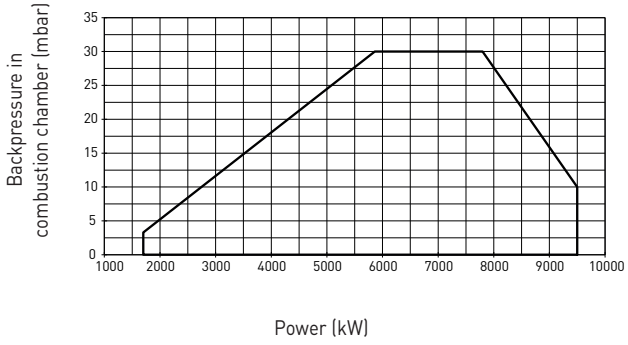


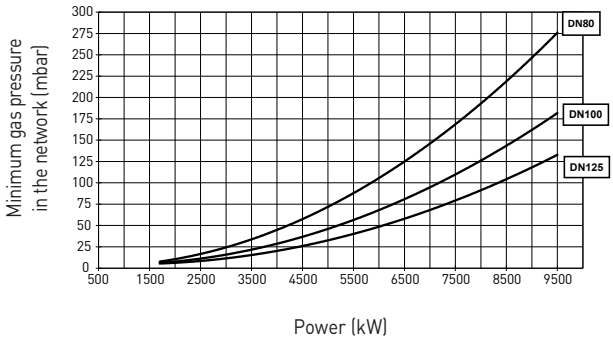
N880V





N910V





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD A

N870A
N1060A ...1.65

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications



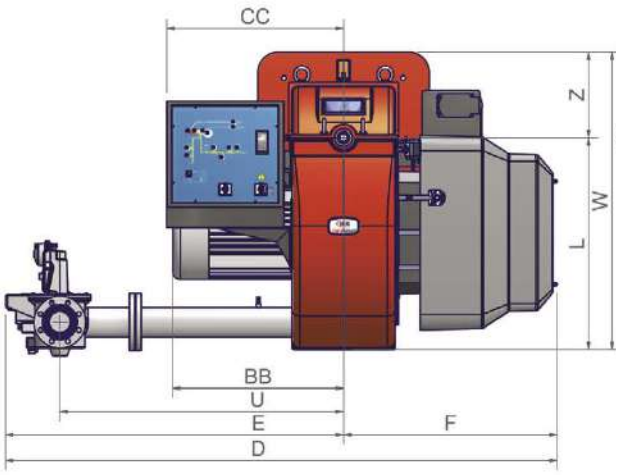
GAS

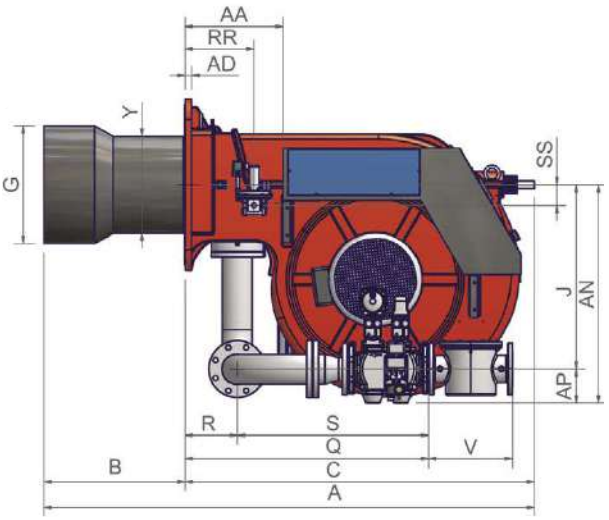
Electronic set up (optional)

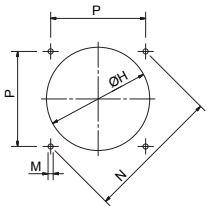
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
N870A	M-.xx.S.IT.A.1.xxx	1.200	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	DN65 - DN80 - DN100	82,2
N1060A ...1.65	M-.xx.S.IT.A.1.65	1.200	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	DN65	85,6

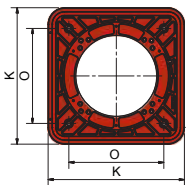
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N870A	2300	1720	1410	550
N1060A ...1.65	2300	1720	1410	600

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																				
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N870A	M-.xx.S.IT.A.1.65	377	827	544	1291	680	2121	822	400	450	709	660	816	M16	651	460	460	914	1092	292	1146	379
N870A	M-.xx.S.IT.A.1.80	377	841	544	1291	680	2123	822	400	450	709	660	816	M16	651	460	460	936	1092	322	1146	379
N870A	M-.xx.S.IT.A.1.100	377	854	544	1291	680	2139	822	400	450	709	660	816	M16	651	460	460	842	1092	382	1146	379
N1060A ...1.65	M-.xx.S.IT.A.1.65	377	827	544	1291	680	2121	822	454	504	709	660	816	M16	651	460	460	914	1092	292	1146	372

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
M-.PR.S.IT.A.1.65	DN65	PR (*)
M-.PR.S.IT.A.1.80	DN80	PR (*)
M-.PR.S.IT.A.1.100	DN100	PR (*)
M-.PR.S.IT.A.1.125	DN125	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.S.IT.A.1.65.EA	DN65	PR (*)
M-.PR.S.IT.A.1.80.EA	DN80	PR (*)
M-.PR.S.IT.A.1.100.EA	DN100	PR (*)
M-.PR.S.IT.A.1.125.EA	DN125	PR (*)
M-.MD.S.IT.A.1.65.ES	DN65	MD
M-.MD.S.IT.A.1.80.ES	DN80	MD
M-.MD.S.IT.A.1.100.ES	DN100	MD
M-.MD.S.IT.A.1.125.ES	DN125	MD

Electronic set up (optional)

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

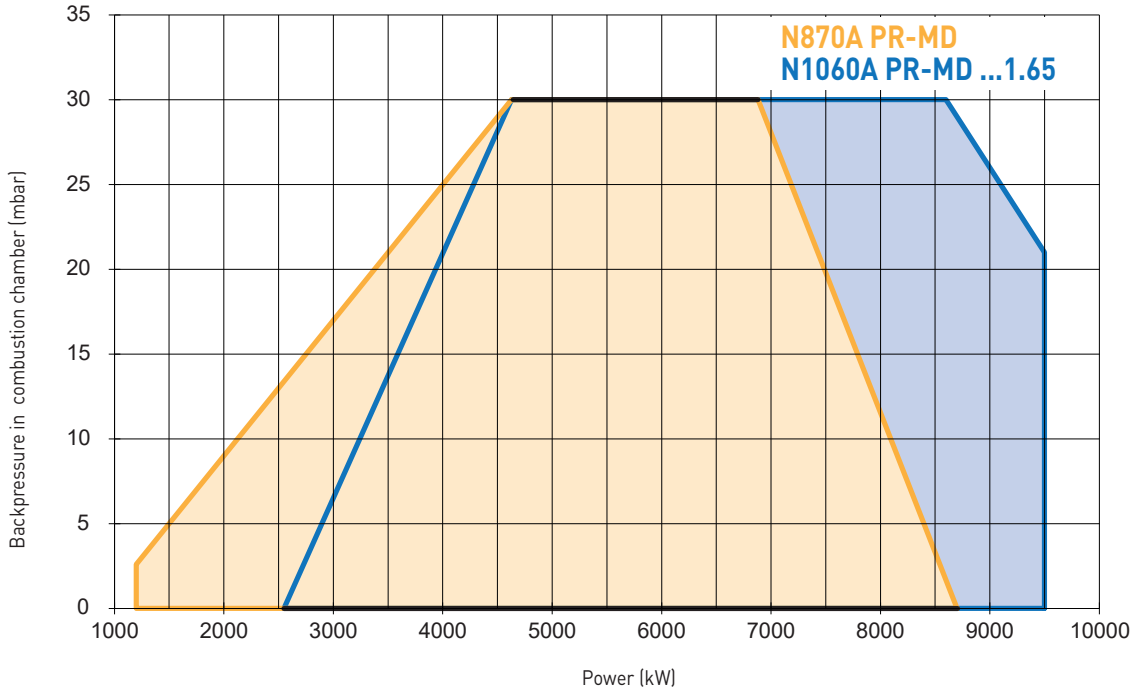
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

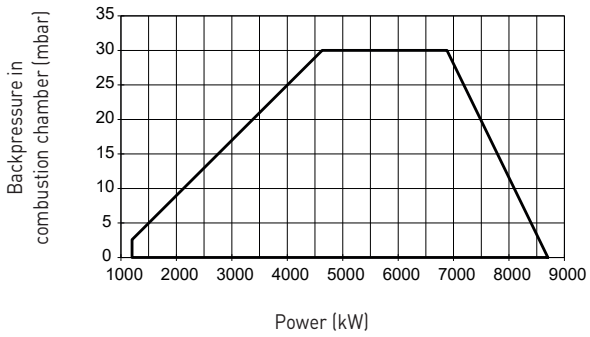
Burners also compatible with GPL, biogas, syngas, off gas, H_2

PERFORMANCE CURVES

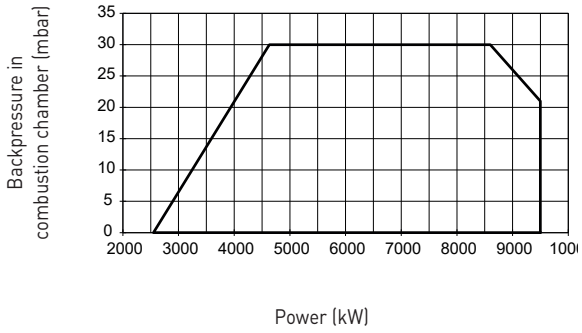


PERFORMANCE CURVES

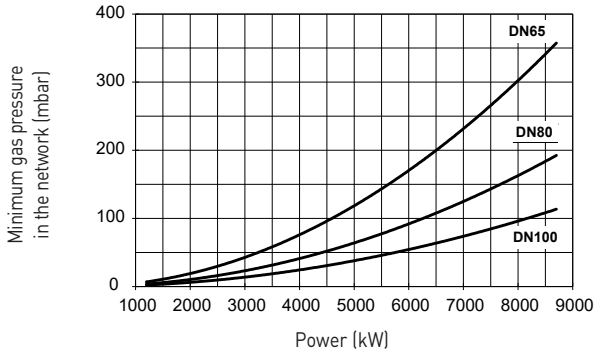
N870A PR-MD

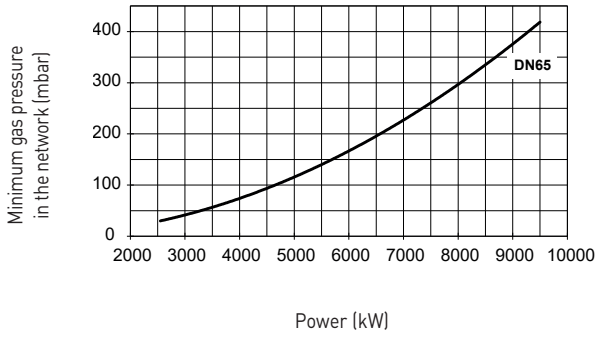


N1060A DN65 PR-MD



PRESSURE IN THE NETWORK





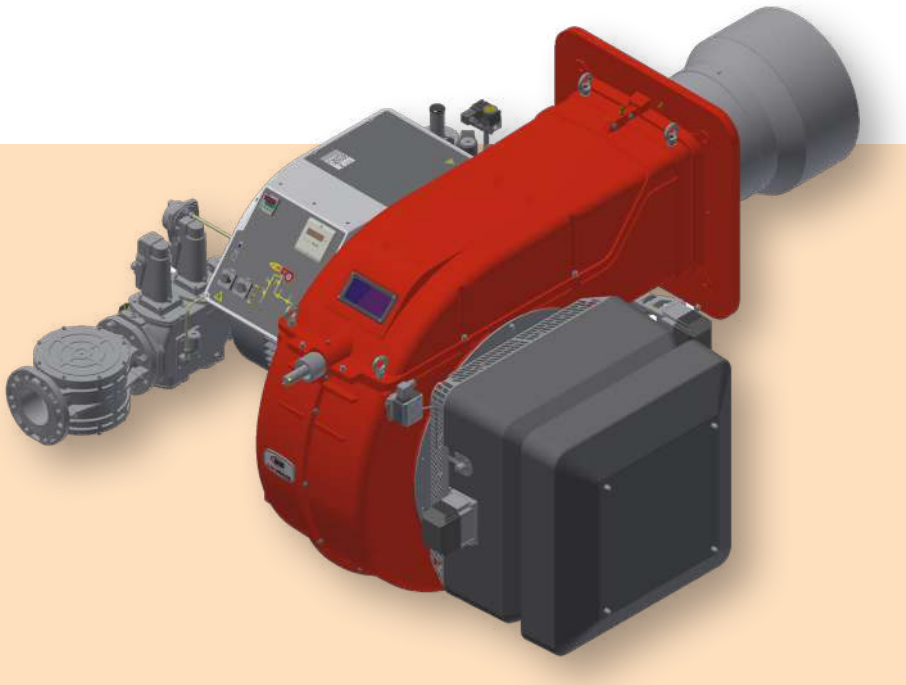
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

TESTA A

N1060A
N1300A

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications

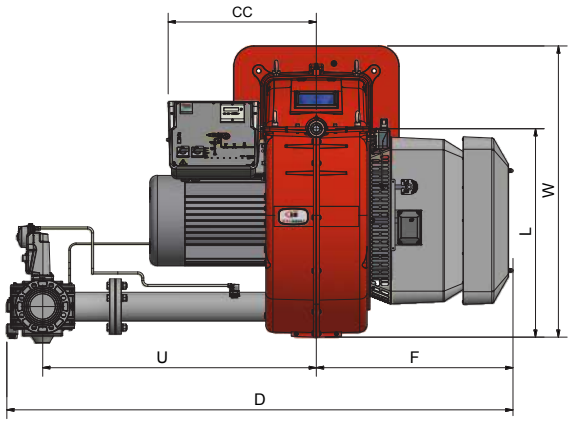


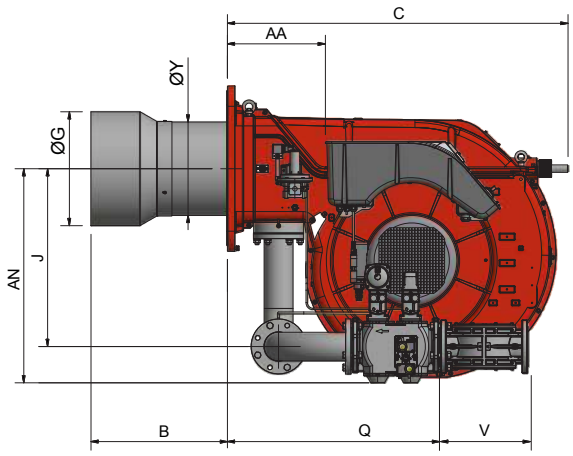
GAS

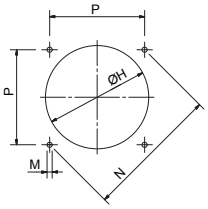
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
N1060A	M-.xx.SR.IT.A.1.xxx	1.200	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	DN80 - DN100 - DN125	< 85,6
N1300A	M-.xx.SR.IT.A.1.xxx	2.000	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	DN80 - DN100 - DN125	< 85,6

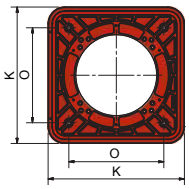
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N1060A	2300	1720	1410	550
N1300A	2300	1720	1410	600

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN100 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																				
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N1060A	M-.xx.SR.IT.A.1.80	390	841	542	1358	684	2002	784	454	504	709	660	831	M16	651	460	460	944	1092	310	1161	372
N1060A	M-.xx.SR.IT.A.1.100	390	854	542	1358	684	2018	784	454	504	709	660	831	M16	651	460	460	848	1092	350	1161	372
N1060A	M-.xx.SR.IT.A.1.125	390	884	542	1358	684	1972	784	454	504	709	660	831	M16	651	460	460	958	1192	478	1161	372
N1300A	M-.xx.SR.IT.A.1.80	390	841	542	1366	684	2002	784	514	564	709	660	831	M16	651	460	460	944	1092	310	1161	408
N1300A	M-.xx.SR.IT.A.1.100	390	854	542	1366	684	2018	784	514	564	709	660	831	M16	651	460	460	848	1092	350	1161	408
N1300A	M-.xx.SR.IT.A.1.125	390	884	542	1366	684	1972	784	514	564	709	660	831	M16	651	460	460	958	1192	478	1161	408

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.80	DN80	PR (*)
M-.PR.SR.IT.A.1.100	DN100	PR (*)
M-.PR.SR.IT.A.1.125	DN 125	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M-.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M-.PR.SR.IT.A.1.125.EA	DN 125	PR (*)
M-.MD.SR.IT.A.1.80.ES	DN80	MD
M-.MD.SR.IT.A.1.100.ES	DN100	MD
M-.MD.SR.IT.A.1.125.ES	DN 125	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

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For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

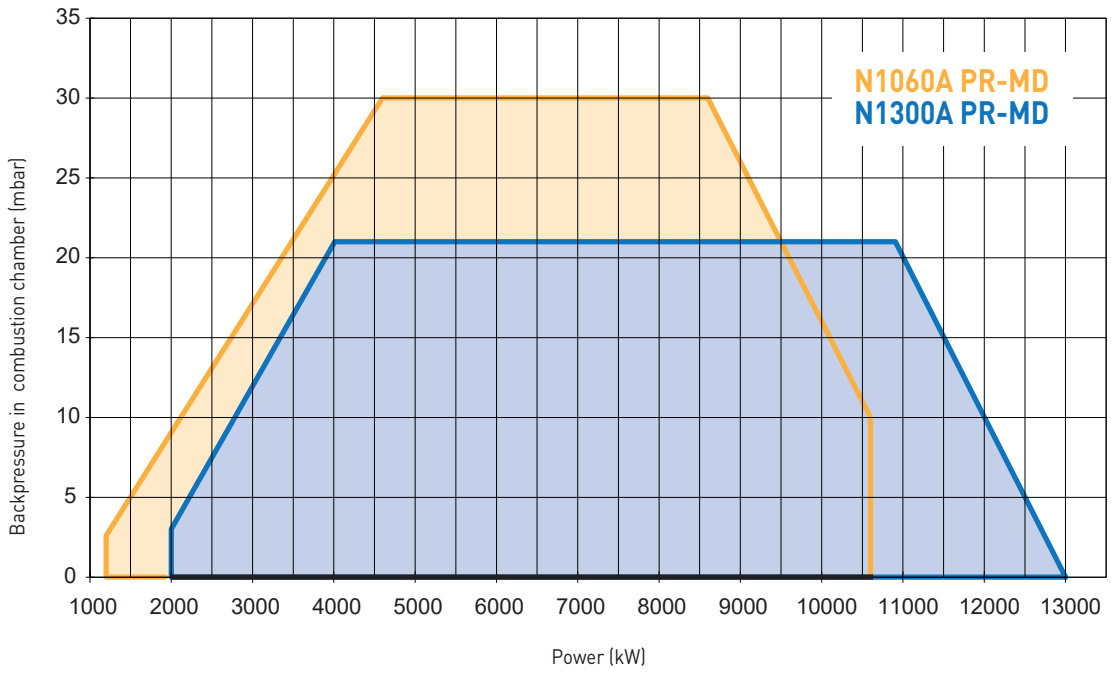
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

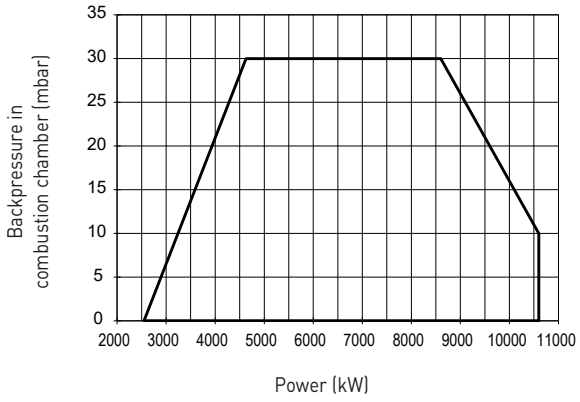
PERFORMANCE CURVES

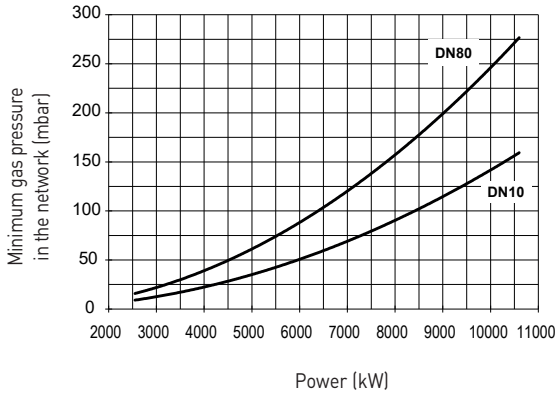


PERFORMANCE CURVES

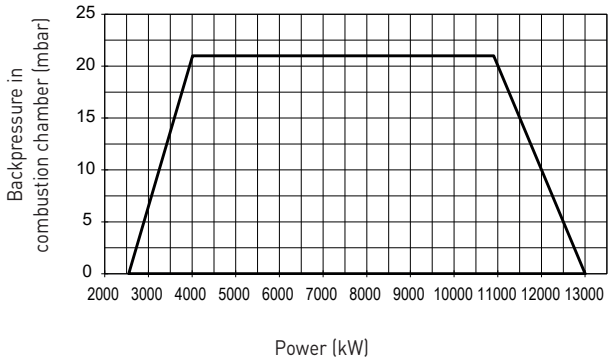
PRESSURE IN THE NETWORK

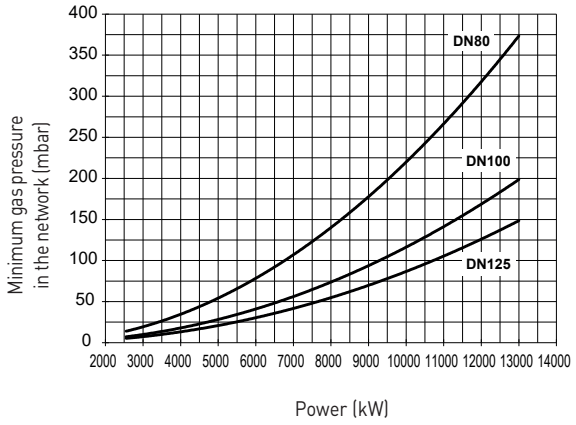
N1060A PR-MD





N1060A PR-MD





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD A

N870A
N1060A ...1.65

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications



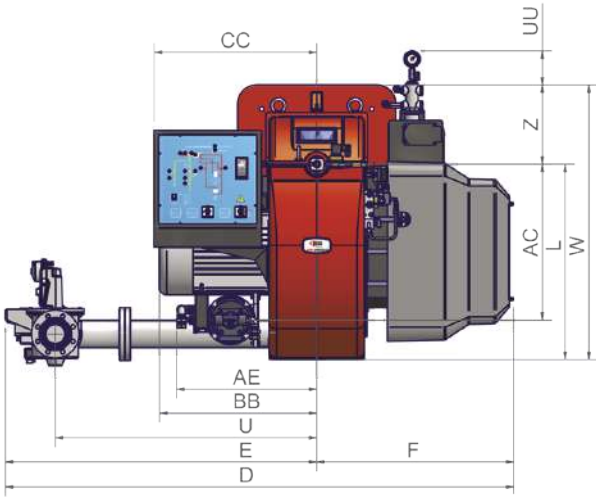
GAS / LIGHT OIL

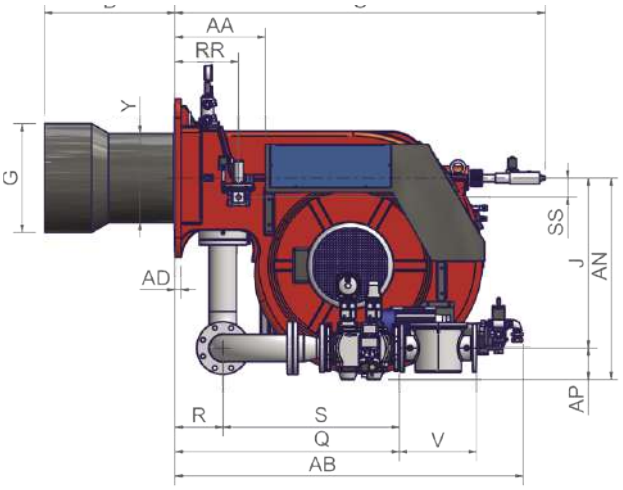
Electronic set up (optional)

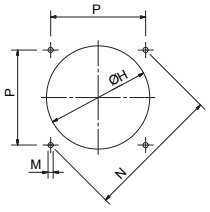
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Gas connections	Level of noise emissions dBA
N870A	MG.xx.S.IT.A.1.xxx	1.200	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	4,0	DN 65 - DN80 - DN100	82,2
N1060A ...1.65	MG.xx.S.IT.A.1.65	1.200	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	4,0	DN65	85,6

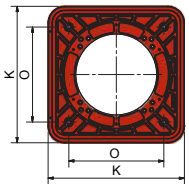
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N870P	2.300	1.720	1.410	700
N1060P ...1.65	2.300	1.720	1.410	700

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN80 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N870A	MG.xx.S.IT.A.1.65	377	827	544	1544	680	2121	822	400	450	709	660	816	M16	651	460	460	914	1092	292	1146	379
N870A	MG.xx.S.IT.A.1.80	377	841	544	1544	680	2123	822	400	450	709	660	816	M16	651	460	460	936	1092	322	1146	379
N870A	MG.xx.S.IT.A.1.100	377	854	544	1544	680	2139	822	400	450	709	660	816	M16	651	460	460	842	1092	382	1146	379
N1060A ...1.65	MG.xx.S.IT.A.1.65	377	827	544	1544	680	2121	822	454	504	709	660	816	M16	651	460	460	914	1092	292	1146	372

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
MG.PR.S.IT.A.1.65	DN65	PR (*)
MG.PR.S.IT.A.1.80	DN80	PR (*)
MG.PR.S.IT.A.1.100	DN100	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
MG.PR.S.IT.A.1.65.EC	DN65	PR (*)
MG.PR.S.IT.A.1.80.EC	DN80	PR (*)
MG.PR.S.IT.A.1.100.EC	DN100	PR (*)
MG.MD.S.IT.A.1.65.ES	DN65	MD
MG.MD.S.IT.A.1.80.ES	DN80	MD
MG.MD.S.IT.A.1.100.ES	DN100	MD

Electronic set up (optional)

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

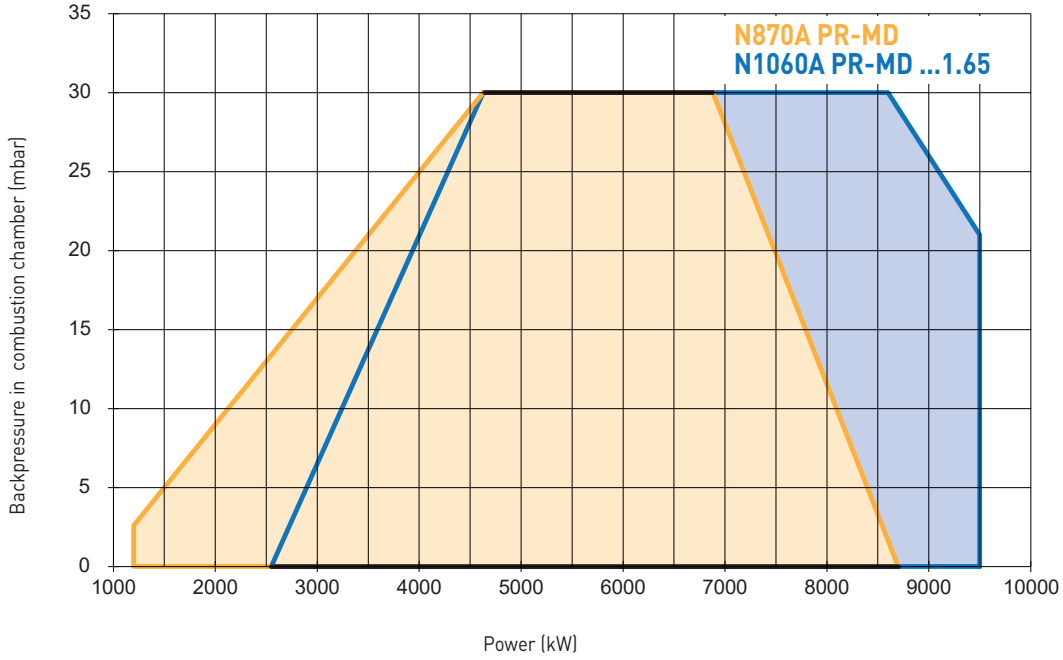
NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676
- Class 1 (< 250 mg/kWh) in light oil operation according to EN267

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

Burners also compatible with bio-oli

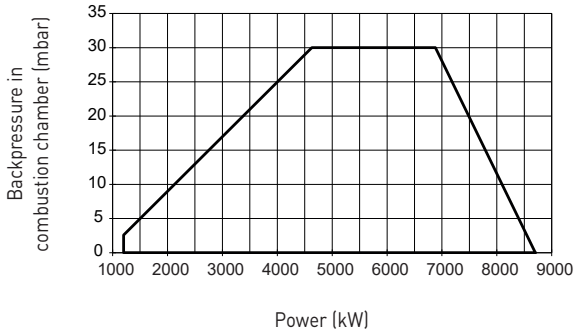
PERFORMANCE CURVES

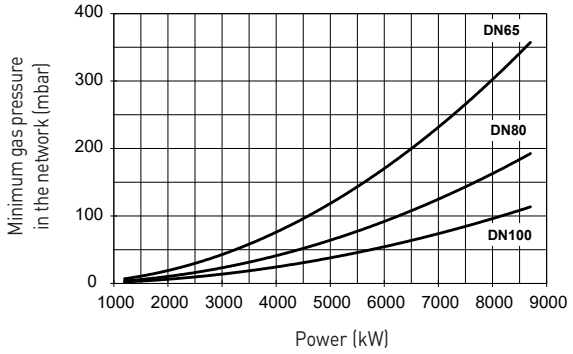


PERFORMANCE CURVES

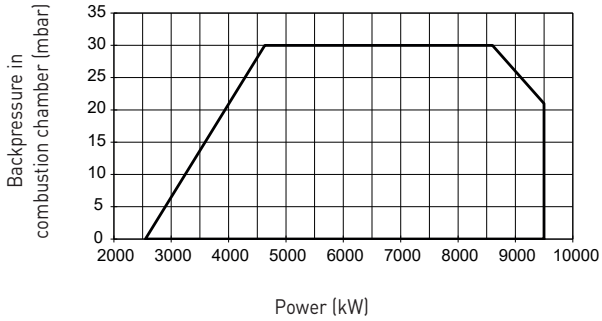
PRESSURE IN THE NETWORK

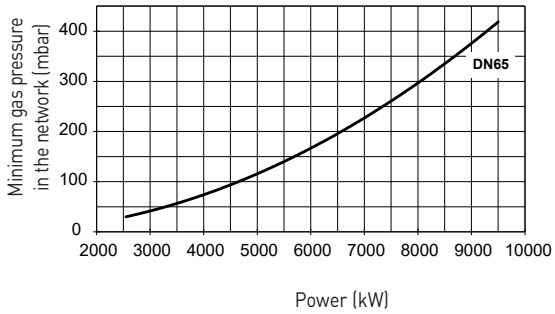
N870A PR-MD





N1060A DN65 PR-MD





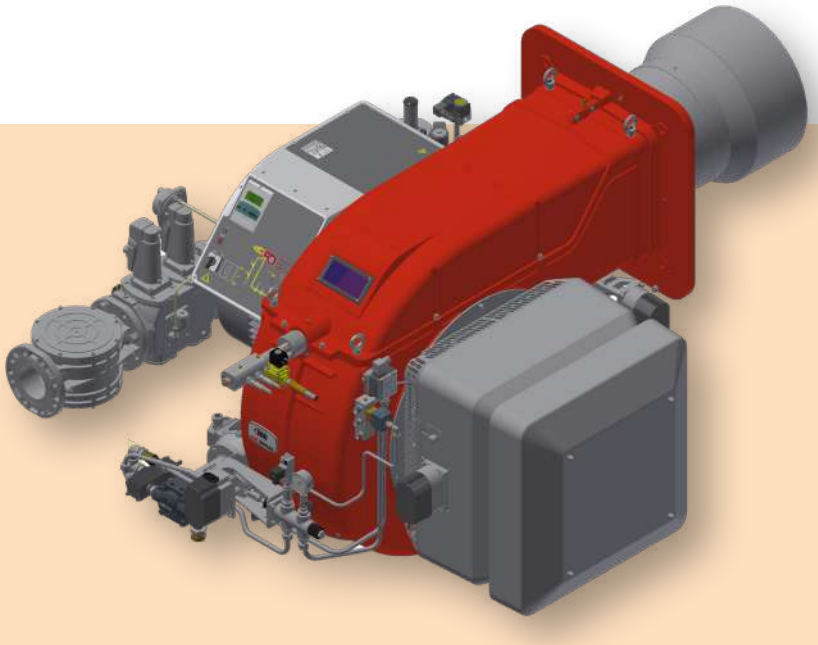
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD A

N1060A
N1300A

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications

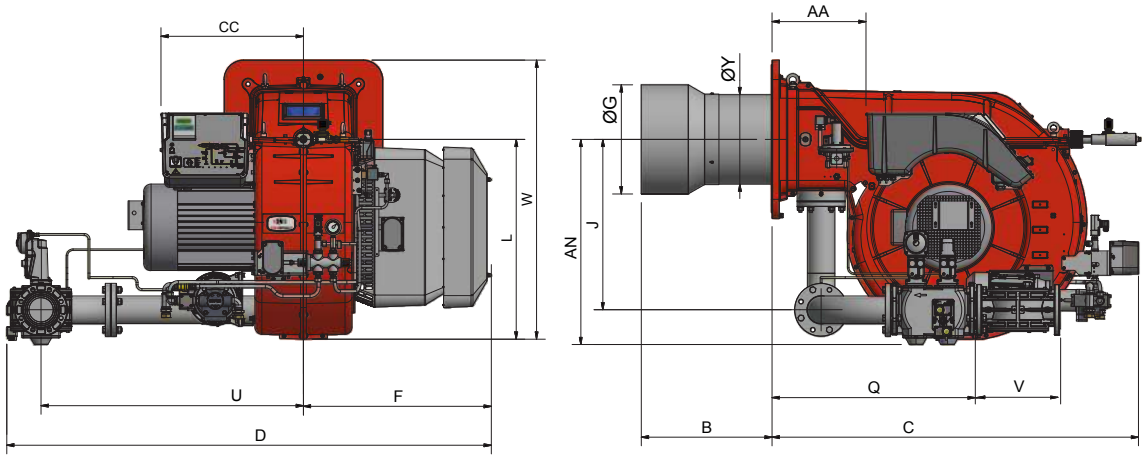


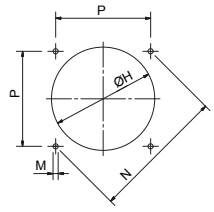
GAS / LIGHT OIL

TECHNICAL SPECIFICATIONS

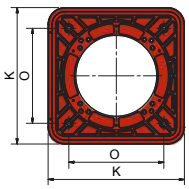
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Gas connections	Level of noise emissions dBA
N1060A	MG.xx.SR.IT.A.1.xxx	1.200	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	4,0	DN80 - DN100 - DN125	< 85,6
N1300A	MG.xx.SR.IT.A.1.xxx	2.000	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	4,0	DN80 - DN100 - DN125	< 85,6

For information on choosing the length of the blast tube, refer to the Technical Information booklet.





BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N1060A	2.300	1.720	1.410	700
N1300A	2.300	1.720	1.410	700

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN80 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																				
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N1060A	MG.xx.SR.IT.A.1.80	384	841	542	1525	684	2002	784	454	504	709	660	831	M16	651	460	460	944	1092	944	1161	372
N1060A	MG.xx.SR.IT.A.1.100	384	854	542	1525	684	2018	784	454	504	709	660	831	M16	651	460	460	848	1092	848	1161	372
N1060A	MG.xx.SR.IT.A.1.125	384	854	542	1525	684	2139	784	454	504	709	660	831	M16	651	460	460	842	1192	382	1161	372
N1300A	MG.xx.SR.IT.A.1.80	384	841	542	1525	684	2002	784	514	564	709	660	831	M16	651	460	460	944	1092	944	1161	408
N1300A	MG.xx.SR.IT.A.1.100	384	854	542	1525	684	2018	784	514	564	709	660	831	M16	651	460	460	848	1092	848	1161	408
N1300A	MG.xx.SR .IT.A.1.125	384	884	542	1525	684	2254	784	514	564	709	660	831	M16	651	460	460	954	1192	480	1161	408

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.80	DN80	PR (*)
MG.PR.SR.IT.A.1.100	DN100	PR (*)
MG.PR.SR.IT.A.1.125	DN 125	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.80.EC	DN80	PR (*)
MG.PR.SR.IT.A.1.100.EC	DN100	PR (*)
MG.PR.SR.IT.A.1.125.EC	DN 125	PR (*)
MG.MD.SR.IT.A.1.80.ES	DN80	MD
MG.MD.SR.IT.A.1.100.ES	DN100	MD
MG.MD.SR.IT.A.1.125.ES	DN 125	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

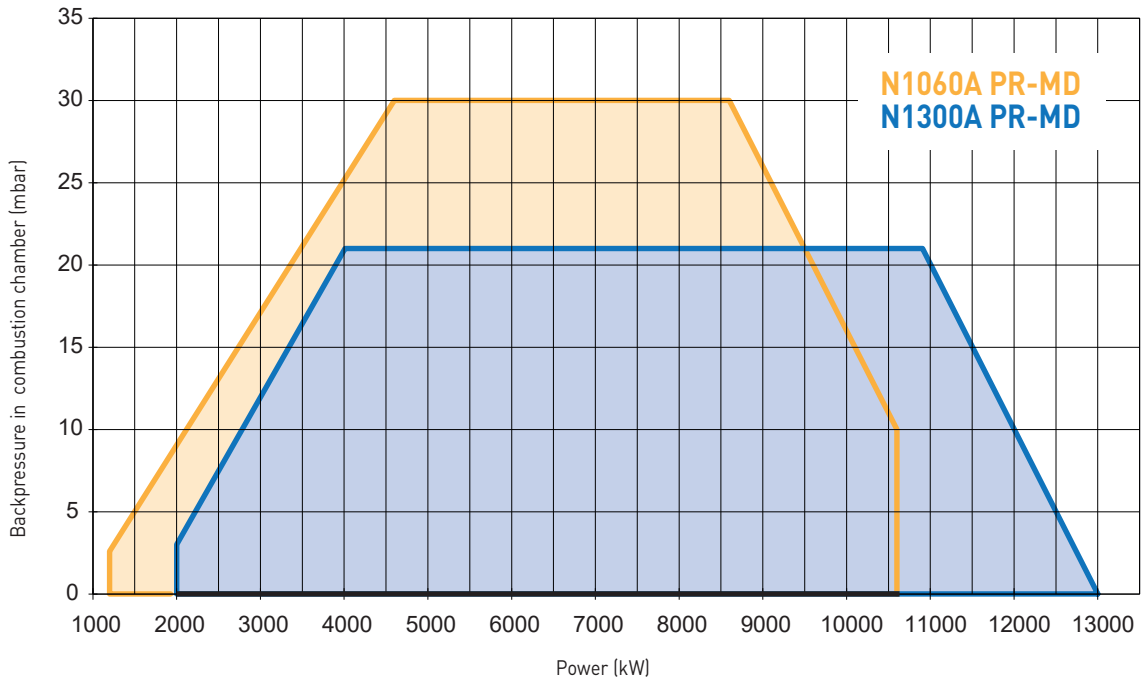
NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676
- Class 1 (< 250 mg/kWh) in light oil operation according to EN267

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

Burners also compatible with bio-oli

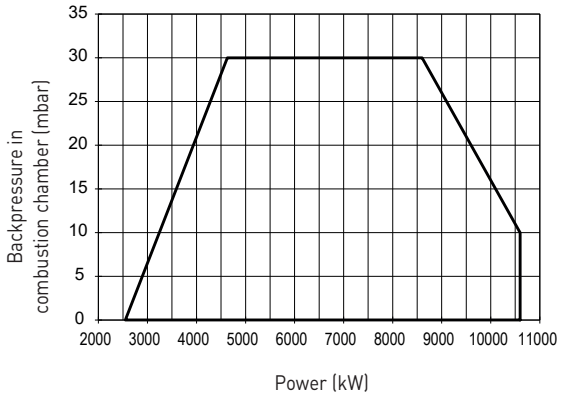
PERFORMANCE CURVES

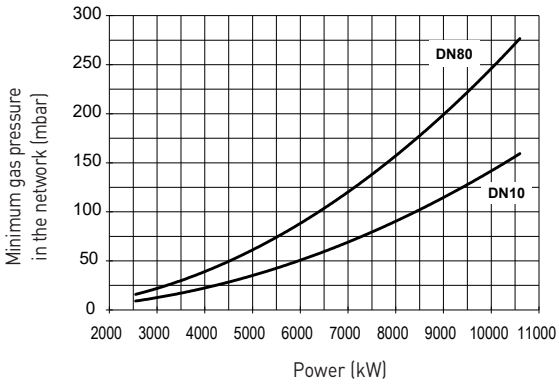


PERFORMANCE CURVES

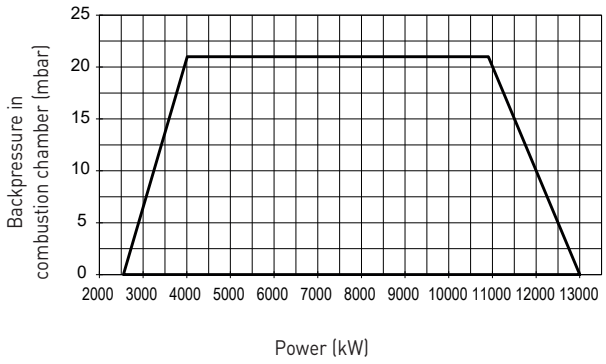
PRESSURE IN THE NETWORK

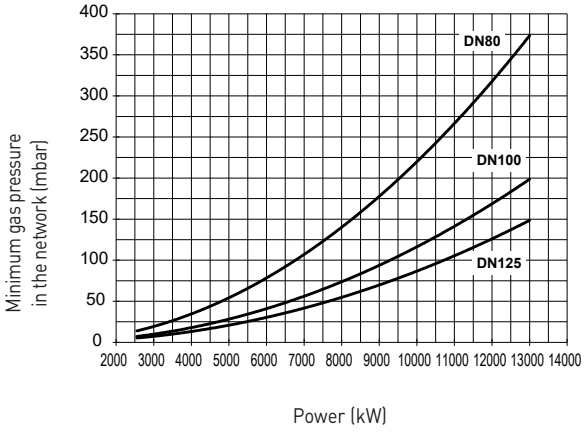
N1060A PR-MD





N1060A PR-MD





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD P

N870P
N1060P
N1300P

High-power industrial applications

- Also available in duablok version (with separate fan)
- High reliability and robustness in industrial use
- For all special applications: including bio-oils
- Also suitable for waste fuels/recovered fuels



LIGHT OIL



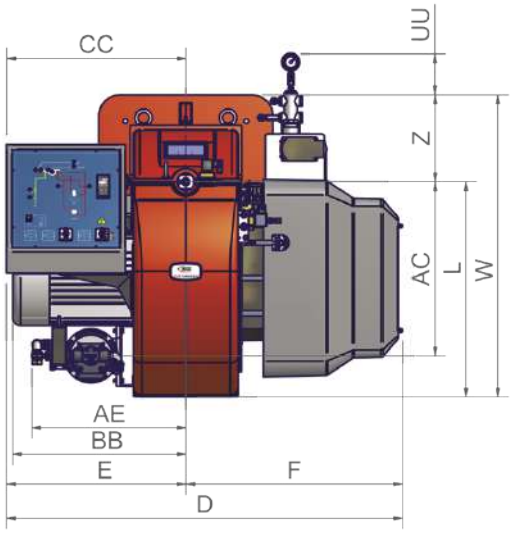
HEAVY OIL

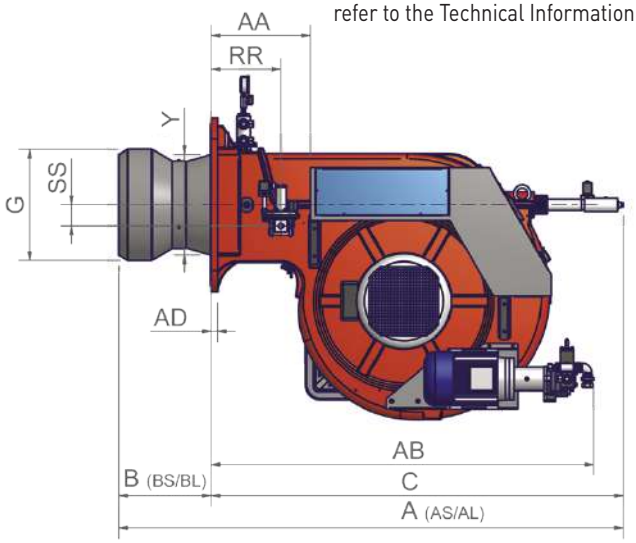
GAS / HEAVY OIL

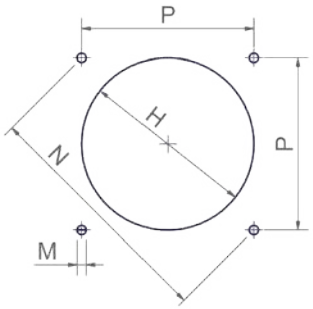
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Level of noise emissions dBA
N1060P	G-.xx.x.IT.A	2.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22	4	85,6
N1300P	G-.xx.x.IT.A	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30	5,5	85,6

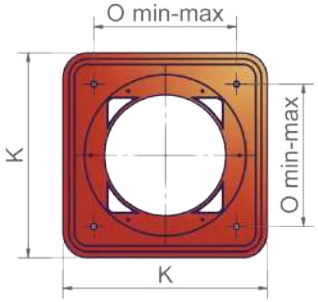
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N1060P	2270	1720	1320	700
N1300P	2270	1720	1320	700

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																
		AA	B BS	B BL	C	CC	D	F	G	H	K	L	M	N	O	P	W	Y
N1060P	G-.xx.x.IT.A	377	350	544	1564	680	1502	822	422	472	660	816	M16	651	460	460	1146	379
N1300P	G-.xx.x.IT.A	377	350	544	1575	680	1502	822	671	731**	660	816	M16	651	460	460	1146	404

***INDICATIVE VALUES**

**Install a counter-flange between the burner and the boiler or in alternative, drill the H hole smaller but higher than the Y point and assemble the blast tube inside the boiler.

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Operation
G-.PR.S.IT.A	PR (*)

ELECTRONIC OPERATION

Model	Operation
G-.PR.S.IT.A.EA	PR (*)
G-.MD.S.IT.A.ES	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

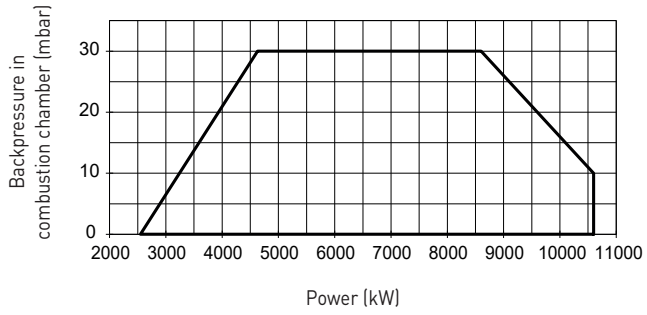
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

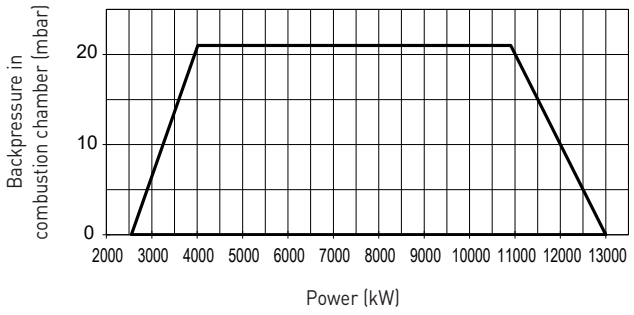
Burners also compatible with bio-oli

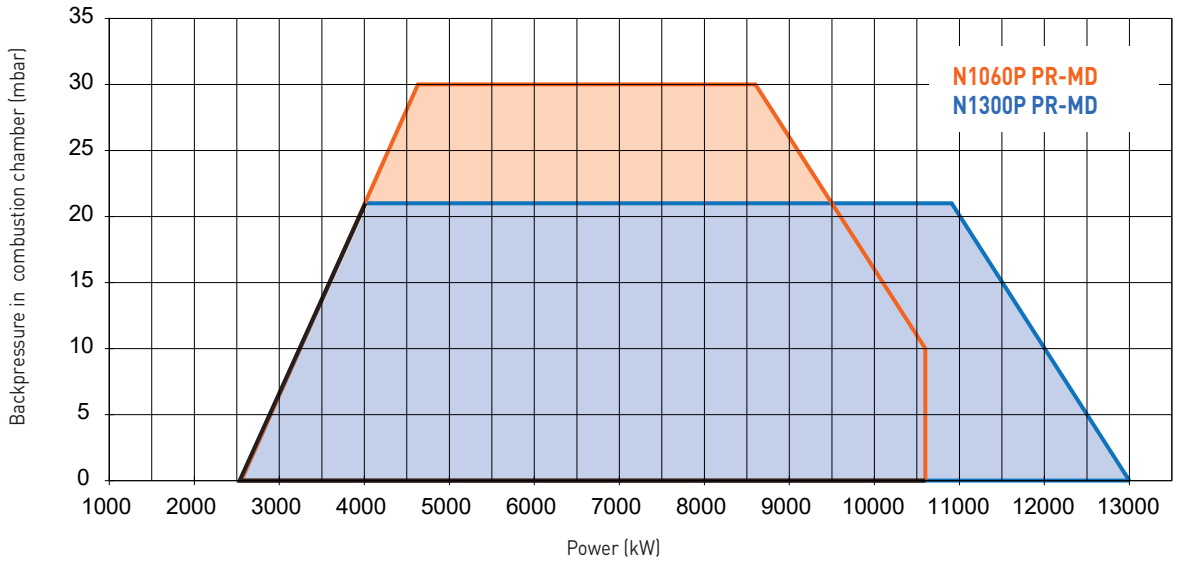
PERFORMANCE CURVES

N1060P PR-MD



N1300P PR-MD

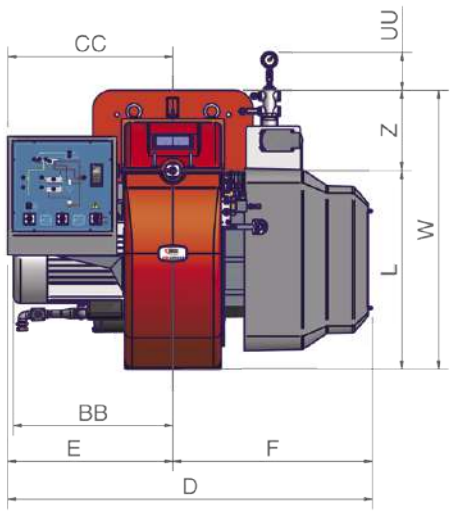


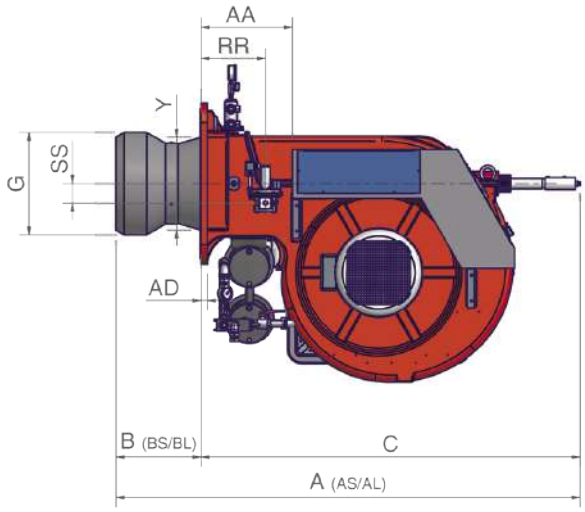


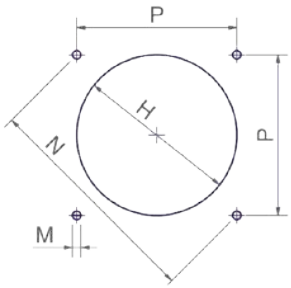
MECHANICAL ATOMIZATION viscosity 400 cSt at 50°C (50°E at 50°C)

TECHNICAL SPECIFICATIONS

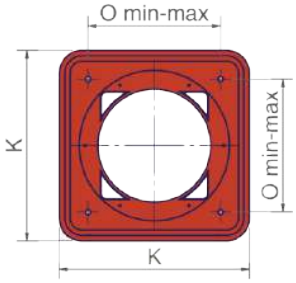
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Resistor kW	Level of noise emissions dBA
N1060P	x-.xx.x.IT.A	2.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22	5,5	24+24	85,6
N1300P	x-.xx.x.IT.A	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30	5,5	24+24	85,6







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N1060P	2.270	1.720	1.320	800
N1300P	2.270	1.720	1.320	800

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																
		AA	B BS	B BL	C	CC	D	F	G	H	K	L	M	N	O	P	W	Y
N1060P	x-.xx.x.IT.A	377	420	614	1468	680	1502	822	526	576	660	816	M16	651	460	460	1146	381
N1300P	x-.xx.x.IT.A	377	384	578	1575	680	1502	822	671	731**	660	816	M16	651	460	460	1146	412

***INDICATIVE VALUES**

**Install a counter-flange between the burner and the boiler or in alternative, drill the H hole smaller but higher than the Y point and assemble the blast tube inside the boiler.

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL ATOMIZATION viscosity 400 cSt at 50°C (50°E at 50°C)

MECHANICAL OPERATION

Model	Operation
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)	
N-.PR.S.IT.A	PR
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)	
D-.PR.S.IT.A	PR

ELECTRONIC OPERATION

Model	Operation
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)	
N-.PR.S.IT.A.EA	PR
N-.MD.S.IT.A.ES	MD
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)	
D-.PR.S.IT.A.EA	PR
D-.MD.S.IT.A.ES	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

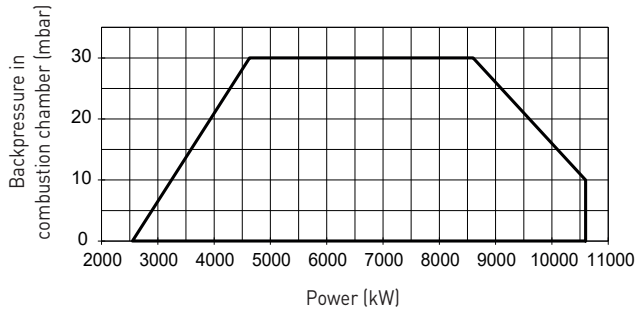
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

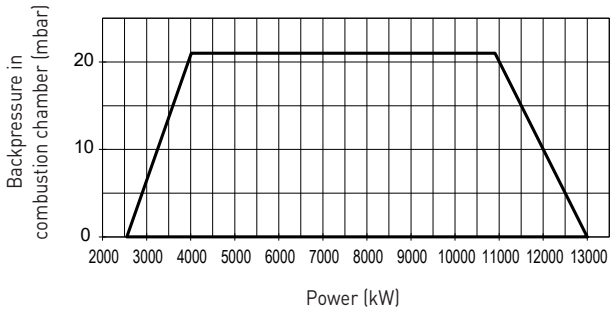
Burners also compatible with bio-oli

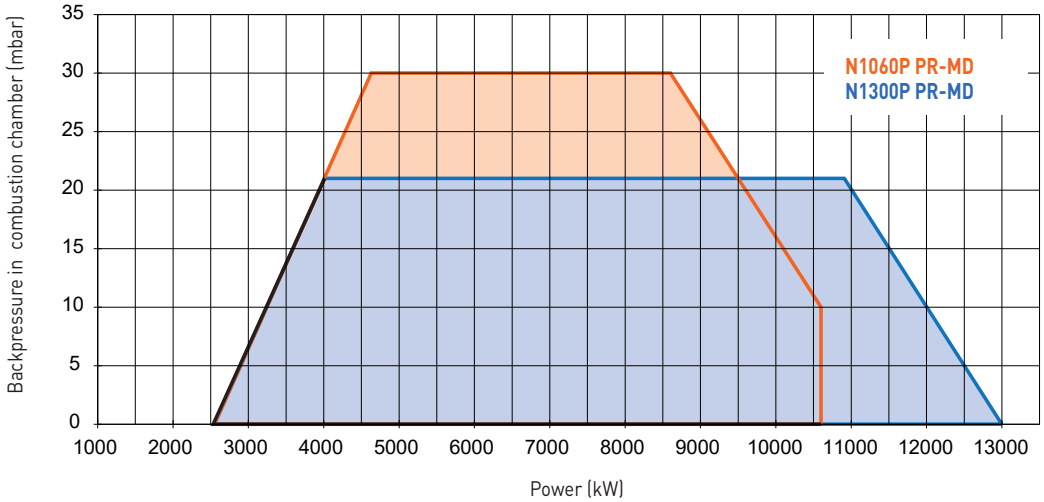
PERFORMANCE CURVES

N1060P PR-MD



N1300P PR-MD



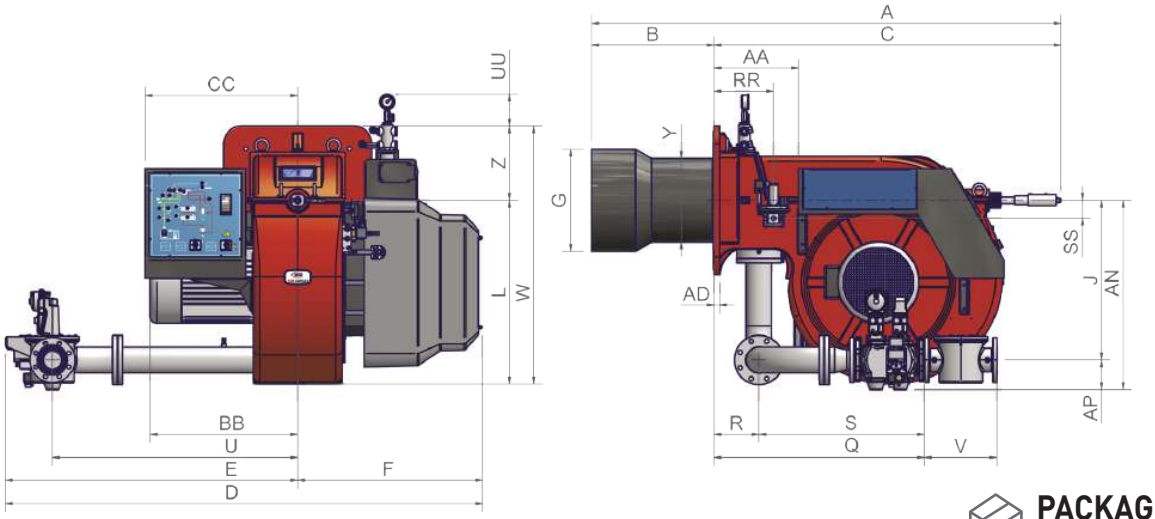


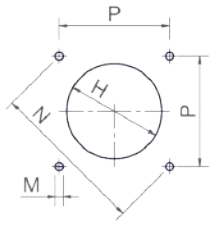
MECHANICAL ATOMIZATION viscosity 400 cSt at 50°C (50°E at 50°C)

TECHNICAL SPECIFICATIONS

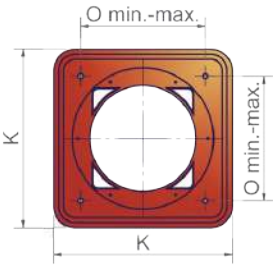
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Resistor kW	Gas connections	Level of noise emissions dBA
N870P	MN.xx.S.IT.A.1.xxx	1.200	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	4,0	24 + 24	DN65 - DN80 - DN100	82,2
N1060P	MN.xx.S.IT.A.1.65	1.200	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	5,5	24 + 24	DN65	85,6
N1060P	MN.xx.S.IT.A.1.xxx	1.200	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	5,5	24 + 24	DN80 - DN100	85,6
N1300P	MN.xx.x.IT.A.1.xxx	2.000	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	5,5	24 + 24	DN80 - DN100 - DN125	85,6

For information on choosing the length of the blast tube, refer to the Technical Information booklet.





BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N870P	2.270	1.720	1.320	760
N1060P	2.270	1.720	1.320	760
N1060P	2.270	1.720	1.320	780
N1300P	2.270	1.720	1.320	780
Oil handling unit•**	1.170	770	1.610	-

***INDICATIVE VALUES**
****** SUPPLIED UNDERFRAME**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																				
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O	P	Q	U	V	W	Y
N870P	MN.xx.S.IT.A.1.65	377	827	544	1544	680	2121	822	400	450	709	660	816	M16	651	460	460	914	1092	292	1146	379
N870P	MN.xx.S.IT.A.1.80	377	841	544	1544	680	2123	822	400	450	709	660	816	M16	651	460	460	936	1092	322	1146	379
N870P	MN.xx.S.IT.A.1.100	377	854	544	1544	680	2139	822	400	450	709	660	816	M16	651	460	460	842	1092	382	1146	379
N1060P	MN.xx.S.IT.A.1.65	377	827	544	1544	680	2121	822	454	504	709	660	816	M16	651	460	460	914	1092	292	1146	372
N1060P	MN.xx.S.IT.A.1.80	377	841	544	1544	680	2123	822	454	504	709	660	816	M16	651	460	460	936	1092	322	1146	372
N1060P	MN.xx.S.IT.A.1.100	377	854	544	1544	680	2139	822	454	504	709	660	816	M16	651	460	460	842	1092	382	1146	372
N1300P	MN.xx.S.IT.A.1.80	377	841	544	1562	680	2123	822	514	564	709	660	816	M16	651	460	460	936	1092	322	1146	408
N1300P	MN.xx.S.IT.A.1.100	377	854	544	1562	680	2139	822	514	564	709	660	816	M16	651	460	460	842	1092	382	1146	408
N1300P	MN.xx.S.IT.A.1.125	377	884	544	1562	680	2254	822	514	564	709	660	816	M16	651	460	460	954	1192	480	1146	408

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL ATOMIZATION viscosity 400 cSt at 50°C (50°E at 50°C)

MECHANICAL OPERATION

Model	Gas train	Operation
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)		
MN.PR.S.IT.A.1.65	DN65	PR (*)
MN.PR.S.IT.A.1.80	DN80	PR (*)
MN.PR.S.IT.A.1.100	DN100	PR (*)
MN.PR.S.IT.A.1.125	DN125	PR (*)
HEAVY OIL 400 cSt at 50° (50°E at 50°C)		
MD.PR.S.IT.A.1.65	DN65	PR (*)
MD.PR.S.IT.A.1.80	DN80	PR (*)
MD.PR.S.IT.A.1.100	DN100	PR (*)
MD.PR.S.IT.A.1.125	DN125	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)		
MN.PR.S.IT.A.1.65.EC	DN65	PR (*)
MN.PR.S.IT.A.1.80.EC	DN80	PR (*)
MN.PR.S.IT.A.1.100.EC	DN100	PR (*)
MN.PR.S.IT.A.1.125.EC	DN125	PR (*)
MN.MD.S.IT.A.1.65.ES	DN65	MD
MN.MD.S.IT.A.1.80.ES	DN80	MD
MN.MD.S.IT.A.1.100.ES	DN100	MD
MN.MD.S.IT.A.1.125.ES	DN125	MD
HEAVY OIL 400 cSt at 50° (50°E at 50°C)		
MD.PR.S.IT.A.1.65.EC	DN65	PR (*)
MD.PR.S.IT.A.1.80.EC	DN80	PR (*)
MD.PR.S.IT.A.1.100.EC	DN100	PR (*)
MD.PR.S.IT.A.1.125.EC	DN125	PR (*)
MD.MD.S.IT.A.1.65.ES	DN65	MD
MD.MD.S.IT.A.1.80.ES	DN80	MD
MD.MD.S.IT.A.1.100.ES	DN100	MD
MD.MD.S.IT.A.1.125.ES	DN125	MD

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

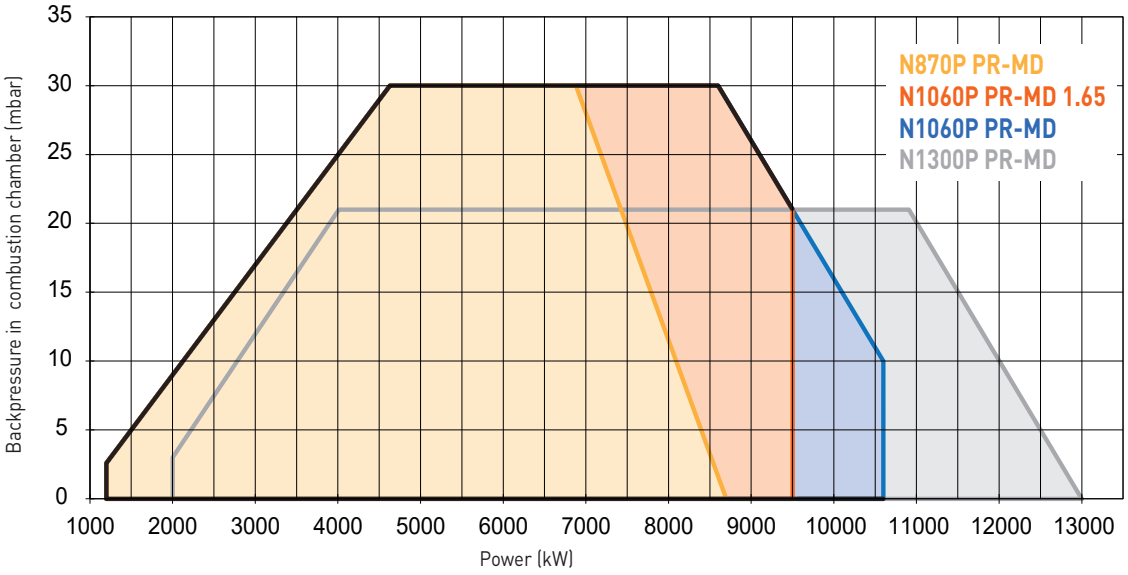
• OIL PUMP IN A SEPARATE SUPPORT
OPTIONAL ON REQUEST (to see on pag. 49)



Burners also compatible with GPL, biogas, syngas, off gas

Burners also compatible with bio-oli

PERFORMANCE CURVES

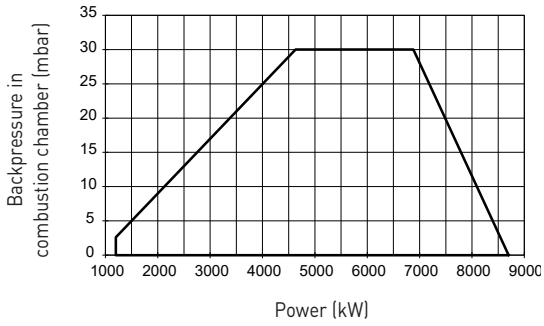


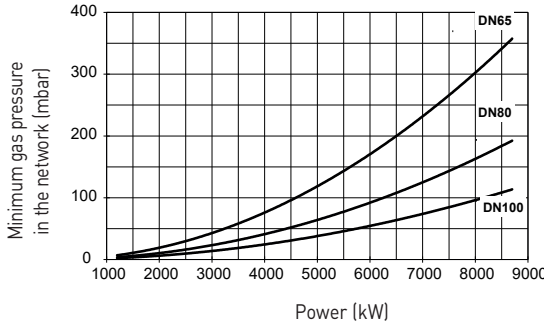
PERFORMANCE CURVES

SERIES N

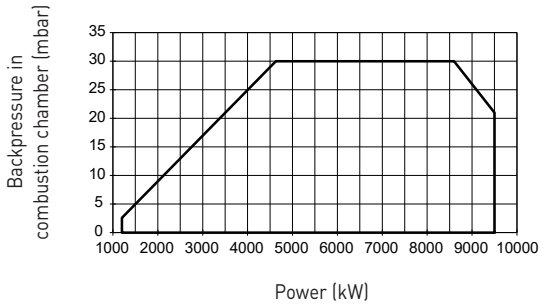
PRESSURE IN THE NETWORK

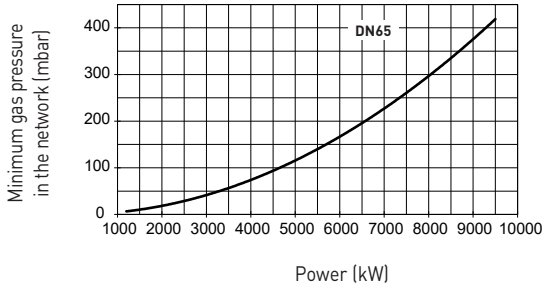
N870P PR-MD



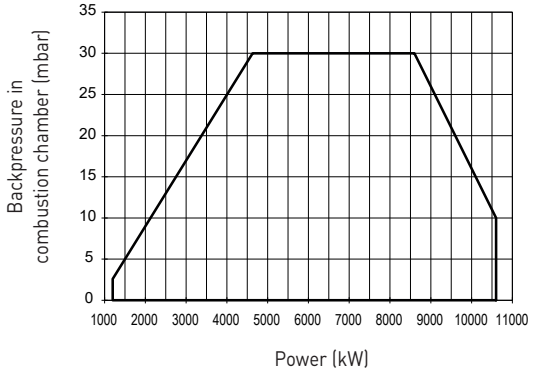


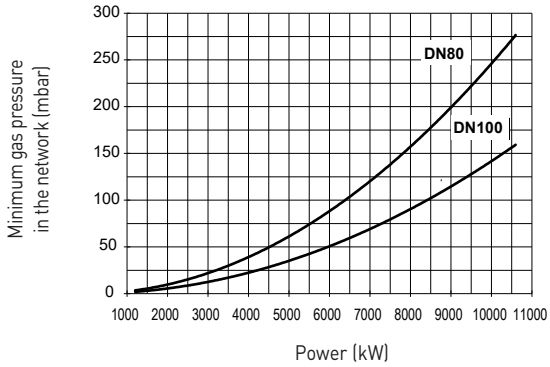
N1060P PR-MD 1.65



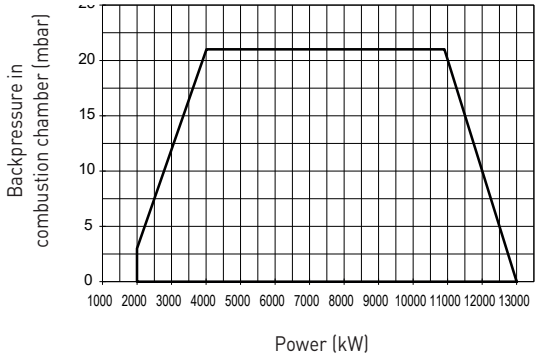


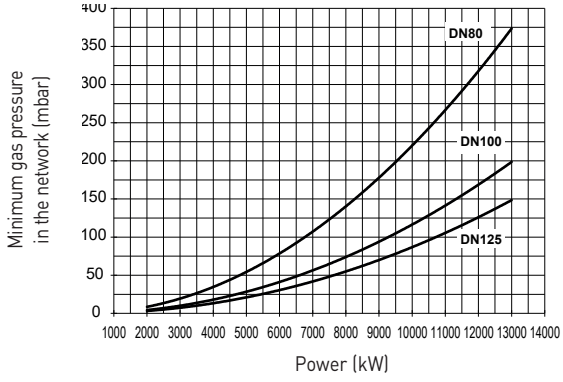
N1060P PR-MD





N1300P PR-MD





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

PNEUMATIC ATOMIZATION HEAD

N870Y
N1060Y
N1300Y

High-power industrial applications

- Also for dual-block burners with a high power range
- High reliability and robustness in industrial use
- For all special applications: from the use of the crudest oil to dense fuels, for clean and efficient combustion.
- Also recovered fuels, combustion waste (sin gas, off gas). In addition, coal gas, lean gas and even waste fuel (production waste fuels).



HEAVY OIL

GAS / HEAVY OIL

HEAD Y
HEAVY OIL

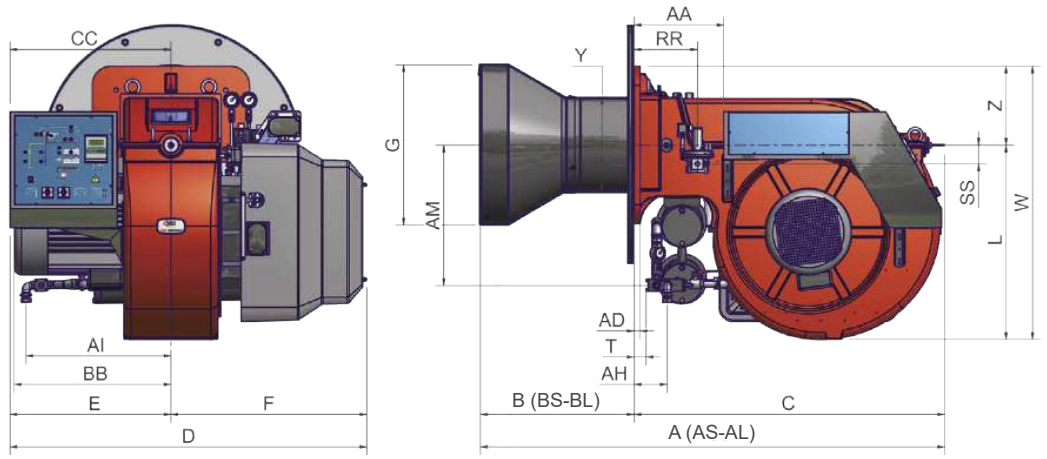
SERIES N

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
Viscosity 4000 cSt at 50°C (530°E at 50°C)

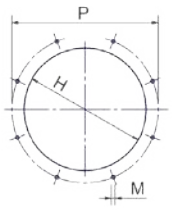
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Resistor kW	Level of noise emissions dBA
N870Y	H-.xx.S.IT.A.xx	2.550	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24	82,2
N1060Y	H-.xx.S.IT.A.xx	2.550	10.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	85,6
N1300Y	H-.xx.S.IT.A.xx	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	1,10	24+24	85,6

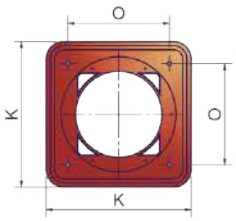
For information on choosing the length of the blast tube, refer to the Technical Information booklet.



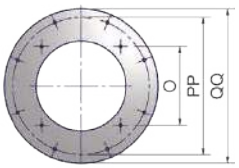
Low pressure pump set (pump, motor and filter) is included, but supplied loose (not assembled on the burner).



BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE



COUNTERFLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
N870Y	2.280	1.730	1.360	850
N1060Y	2.280	1.730	1.360	850
N1300Y	2.280	1.730	1.360	850

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions AA	B	C	CC	D	F	G	H	K	L	M	N	O	P	W	Y	Z	PP	QQ
N870Y	H-.xx.x.IT.A.xx	377	410	1293	680	1502	822	474	524	660	816	M16	651	460	800	1146	381	330	800	900
N1060Y	H-.xx.x.IT.A.xx	377	353	1293	680	1502	822	633	693	660	816	M16	651	460	800	1146	400	330	800	900
N1300Y	H-.xx.x.IT.A.xx	377	361	1293	680	1502	822	671	731	660	816	M16	-	460	800	1146	412	330	800	900

The units pumps are separated
The dimensions BS and BL are reduced by 25 mm with counterflange and gasket.
***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
viscosity 4000 cSt at 50°C (530°E at 50°C)

ELECTRONIC OPERATION

Model	Operation
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)	
H-.PR.S.IT.A.EA	PR (*)
H-.MD.S.IT.A.ES	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

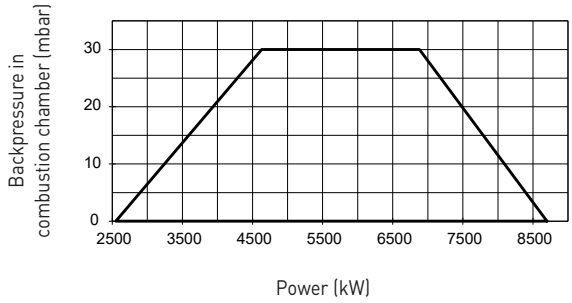
(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

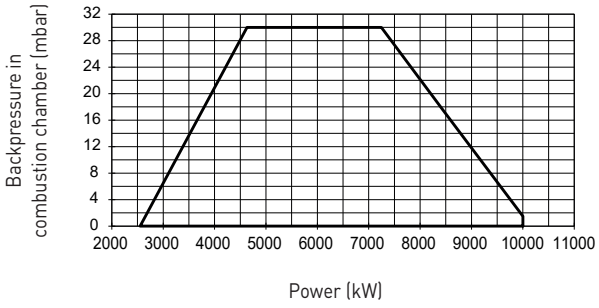
For information on choosing the length of the blast tube, refer to the Technical Information booklet.

PERFORMANCE CURVES

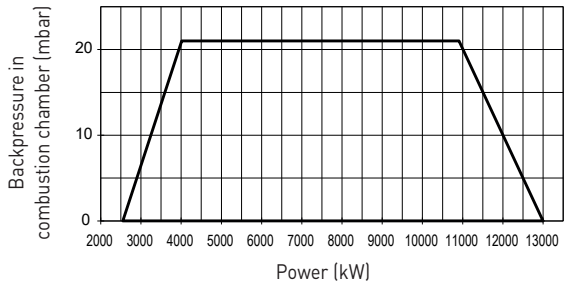
N870Y PR-MD



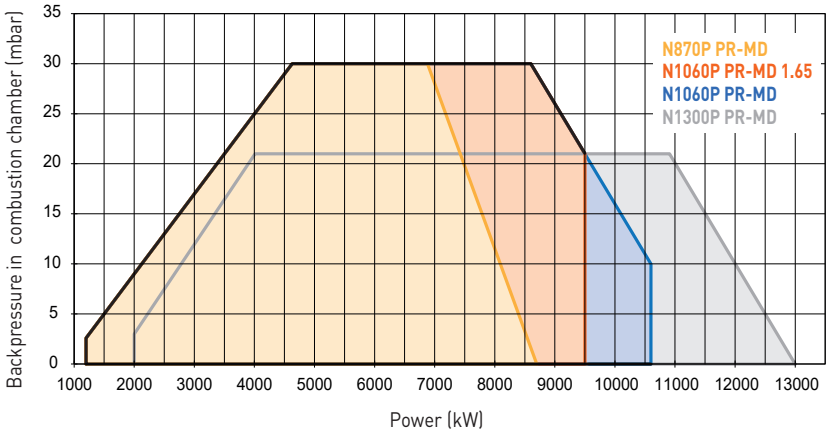
N1060Y PR-MD



N1300Y PR-MD



Burners also compatible with bio-oli



HEAD Y
GAS / HEAVY OIL

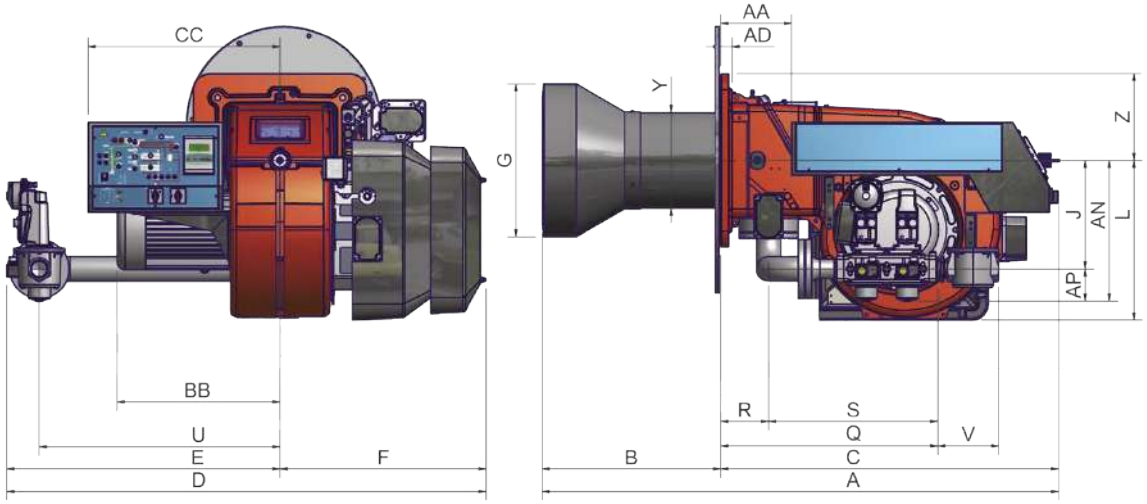
SERIES N

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
Viscosity 4000 cSt at 50°C (530°E at 50°C)

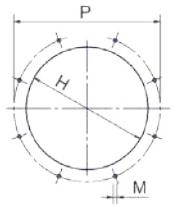
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Resistor kW	Gas connections	Level of noise emis. dBA
N870Y	MH.xx.S.IT.A.1.xxx.xx	2.550	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24	DN65 - DN80 - DN100	82,2
N1060Y 1.65	MH.xx.S.IT.1.65.xx	2.550	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN65	85,6
N1060Y	MH.xx.S.IT.A.1.xxx.xx	2.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN80 - DN100	85,6
N1300Y	MH.xx.S.IT.A.1.xxx.xx	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	1,10	24+24	DN80 - DN100 - DN125	85,6

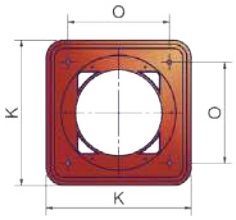
For information on choosing the length of the blast tube, refer to the Technical Information booklet.



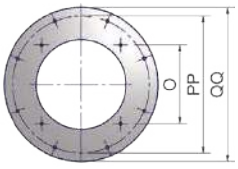
Low pressure pump set (pump, motor and filter) is included, but supplied loose (not assembled on the burner).



BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE



COUNTERFLANGE

DIMENSIONS* (mm)

Type	Model	Overall dimensions																				
		AA	AN	B	C	CC	D	F	G	J	H	K	L	M	O	P	Q	U	V	Y	PP	QQ
N870Y	MH.xx.x.IT.1.65	377	816	551	1544	680	2121	822	572	494	632	660	816	M16	460	800	914	1092	292	379	800	900
N870Y	MH.xx.x.IT.1.80	377	816	551	1544	680	2123	822	572	494	632	660	816	M16	460	800	936	1092	322	379	800	900
N870Y	MH.xx.x.IT.1.100	377	816	551	1544	680	2139	822	572	494	632	660	816	M16	460	800	942	1092	382	379	800	900
N1060Y	MH.xx.x.IT.1.65	377	816	580	1544	680	2121	822	600	494	660	660	816	M16	460	800	914	1092	292	384	800	900
N1060Y	MH.xx.x.IT.1.80	377	816	580	1544	680	2123	822	600	494	660	660	816	M16	460	800	936	1092	322	384	800	900
N1060Y	MH.xx.x.IT.1.100	377	816	580	1544	680	2139	822	600	494	600	660	816	M16	460	800	942	1092	382	384	800	900
N1300Y	MH.xx.x.IT.1.80	377	816	571	1562	680	2123	822	671	494	731	660	816	M16	460	800	914	1092	292	384	800	900
N1300Y	MH.xx.x.IT.1.100	377	816	571	1562	680	2129	822	671	494	731	660	816	M16	460	800	936	1092	322	384	800	900
N1300Y	MH.xx.x.IT.1.125	377	816	571	1562	680	2254	822	671	494	731	660	816	M16	460	800	942	1192	382	384	800	900

The dimension B is reduced by 25 mm with counterflange and gasket.
***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)		
MH. PR.S.IT.A.1.65.EC	DN65	PR (*)
MH. PR.S.IT.A.1.80.EC	DN80	PR (*)
MH. PR.S.IT.A.1.100.EC	DN100	PR (*)
MH. PR.S.IT.A.1.125.EC	DN125	PR (*)
MH. MD.S.IT.A.1.65.ES	DN65	MD
MH. MD.S.IT.A.1.80.ES	DN80	MD
MH. MD.S.IT.A.1.100.ES	DN100	MD
MH. MD.S.IT.A.1.125.ES	DN125	MD

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

SP = Standard blast tube + aluminum air intake (1)
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For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

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For information on choosing the length of the blast tube, refer to the Technical Information booklet.

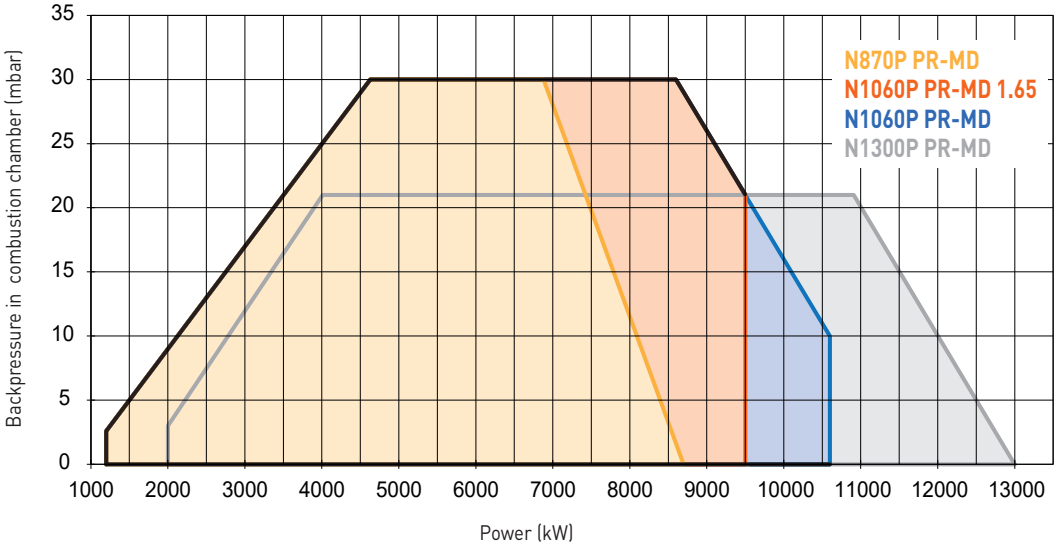
• OIL PUMP IN A SEPARATE SUPPORT

OPTIONAL ON REQUEST (to see on pag. 49)

Burners also compatible with GPL, biogas, syngas, off gas

Burners also compatible with bio-oli

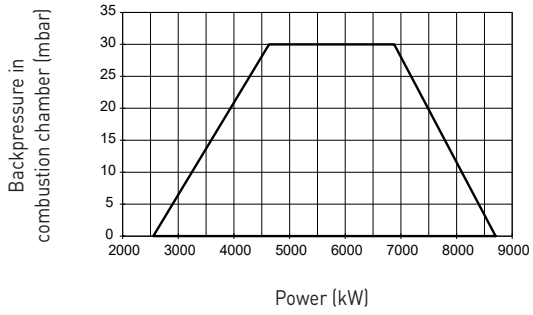
PERFORMANCE CURVES

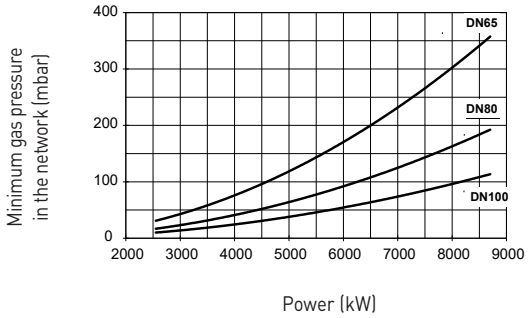


PERFORMANCE CURVES

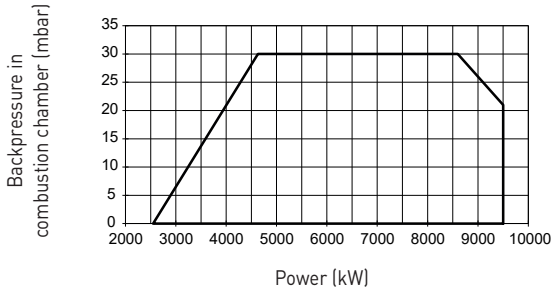
PRESSURE IN THE NETWORK

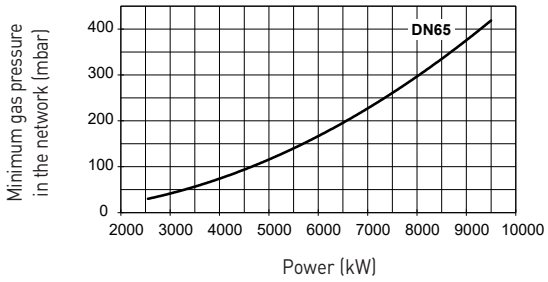
N870Y PR-MD





N1060Y DN65 PR-MD



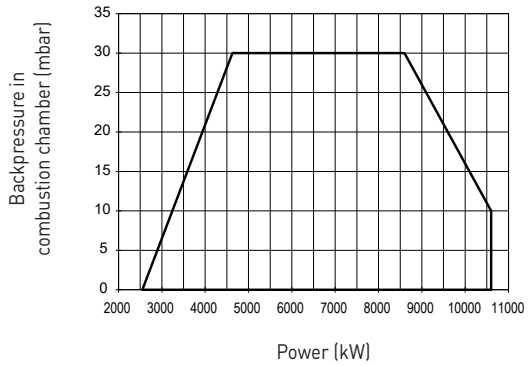


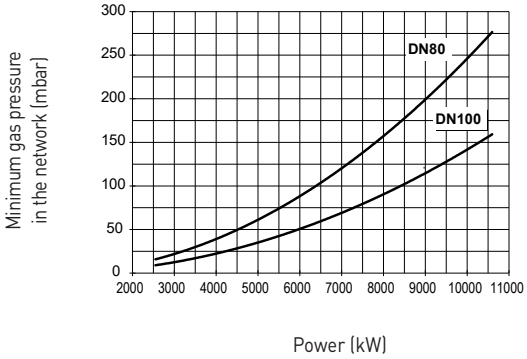
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

PERFORMANCE CURVES

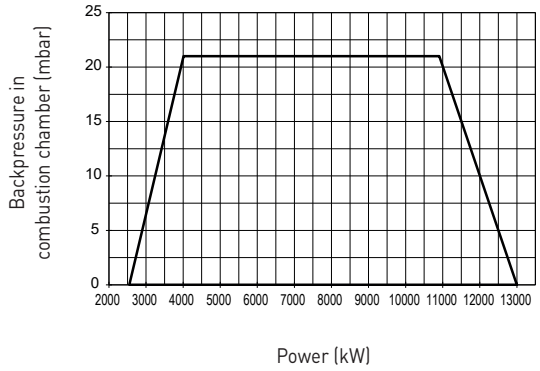
PRESSURE IN THE NETWORK

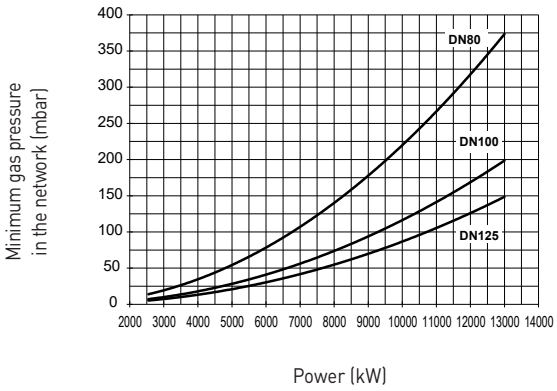
N1060Y PR-MD





N1300Y PR-MD





Attention:
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OIL PUMP
in a separate support



The pump unit is used for filtering, preheating and transferring liquid fuels to feed one or more burners. The double filter design allows the filter to be cleaned without interrupting operation. Heavy oil circulation units can be equipped with an electric heater or a combined heater for steam, hot water or diathermic oil.

OPTIONAL ON REQUEST

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cibunigas@cibunigas.com - www.cibunigas.com

Note: specifications and data subject to change.
Errors and omissions excepted.